



freight rail

Transnet Freight Rail a Division of Transnet SOC Ltd. (Reg. No. 1990/000900/30), invites all interested parties to respond to a request for quotation (RFQ) as indicated below:

All tenders should be submitted on the appropriate tender forms in a sealed envelope. The envelope must indicate the RFQ number, full description and closing date and should be deposited in the tender box before 10h00 on the closing date of the tender/s.

**If delivered by hand, the Tender submissions must be addressed to Supply Chain Services, Admin Support, Tender Box, Office No. 2, Property Management Building, Austen Street, Beaconsfield, Kimberley.**

**ISSUE OF DOCUMENTS** - RFQ documents will only be available from **28 April 2015** until **20 May 2015 [15:00]** at Transnet Freight Rail, Supply Chain Services, Office No. 2, Real Estate Management Building, Austen Street, Beaconsfield, Kimberley. **Please note that RFQ documents can be e-mailed or physically collected on request prior to cut off time / arrangement from Ms Kobie Nelson.**

Tenders can be viewed on the website (<http://www.transnetfreightrail-tfr.net/Supplier/Page.aspx>)

Tenderers are advised to confirm their attendance beforehand with Kobie Nelson; E-mail:

**kobie.nelson@transnet.net** respectively.

<b>RFQ NUMBER</b>	<b>BFX/53586</b>
<b>SCOPE OF WORK</b>	<b>FOR THE PROVISION OF: CIVIL REPAIRS TO KITCHEN AND ABLUTION (ASSET 02DX029B).</b>
<b>REQUIRED AT</b>	<b>SPRINGFONTEIN.</b>
<b>BRIEFING DATE</b>	<b>A COMPULSORY INFORMATION MEETING WILL BE HELD AT: At Springfontein Station DATE: 21/05/2015 TIME: 10:00 (Companies not attending the compulsory tender briefing / site meeting will be overlooked during the award process.)</b>
<b>PRE REQUIREMENT</b>	<b>GB1</b>
<b>TENDER FEE</b>	<b>NO CHARGE</b>
<b>CLOSING DATE</b>	<b>Tuesday, 02 June 2015 at KIMBERLEY</b>
<b>CLOSING TIME</b>	<b>10:00</b>
<b>TO COLLECTED DOCUMENT / CONFIRM ATTENDANCE</b>	<b>Kobie Nelson, Tel: 053 838 3364</b>
<b>NOTE</b>	<b>FOR SAFETY REASONS, ALL COMPANIES ATTENDING THE TENDER BRIEFING / SITE MEETING ARE REQUIRED TO BRING ALONG THEIR PROTECTIVE CLOTHING (REFLECTOR JACKETS AND SAFETY BOOTS).</b>

**TRANSNET**



*freight rail*

A Division of Transnet SOC Limited Registration number 1990/00900/30

**REQUEST FOR  
QUOTATION**

**BFX/53586  
KBC\_17271**

Senior Buyer  
Supply Chain Services  
TRANSNET FREIGHT RAIL  
Austen Street  
KIMBERLEY  
8301



**Transnet Freight Rail**, a division of

**TRANSNET SOC LTD**

Registration Number 1990/000900/30

[hereinafter referred to as **Transnet**]

**REQUEST FOR QUOTATION [RFQ] No BFX/53586**

**FOR THE PROVISION OF: CIVIL REPAIRS TO KITCHEN AND ABLUTION  
SPRINGFONTEIN (ASSET 02DX029B)**

**FOR DELIVERY TO: THE REAL ESTATE MANAGER BLOEMFONTEIN**

**ISSUE DATE: 28 APRIL 2015**  
**CLOSING DATE: 02 JUNE 2015**  
**CLOSING TIME: 10:00**  
**SITE MEETING: 21 MAY 2015 AT 10:00**  
**VENUE: SPRINGFONTEIN STATION.**



## 5 Changes to Quotations

Changes by the Respondent to its submission will not be considered after the closing date and time.

## 6 Pricing

All prices must be quoted in South African Rand on a fixed price basis, excluding VAT.

## 7 Prices Subject to Confirmation

Prices quoted which are subject to confirmation will not be considered.

## 8 Binding Offer

Any Quotation furnished pursuant to this Request shall be deemed to be an offer. Any exceptions to this statement must be clearly and specifically indicated.

## 9 Disclaimers

Transnet is not committed to any course of action as a result of the issuance of this RFQ and/or its receipt of a Quotation in response to it. Please note that Transnet reserves the right to:

- modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;
- reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- disqualify Quotations submitted after the stated submission deadline;
- not necessarily accept the lowest priced Quotation or an alternative bid;
- reject all Quotations, if it so decides;
- place an order in connection with this Quotation at any time after the RFQ's closing date;
- award only a portion of the proposed goods / service/s which are reflected in the scope of this RFQ;
- split the award of the order/s between more than one Supplier/Service Provider should it at Transnet's discretion be more advantageous in terms of, amongst others, cost or developmental considerations; or
- make no award at all.

Should a contract be awarded on the strength of information furnished by the Respondent, which after conclusion of the contract, is proved to have been incorrect, Transnet reserves the right to cancel the contract.

Transnet reserves the right to award business to the highest scoring bidder/s unless objective criteria justify the award to another bidder.

Transnet reserves the right to conduct Post Tender Negotiations (PTN) with selected Respondents or any number of short-listed Respondents, such PTN to include, at Transnet's discretion, any evaluation criteria listed in the RFQ document.

Should the preferred bidder fail to sign or commence with the contract within a reasonable period after being requested to do so, Transnet reserves the right to award the business to the next highest ranked bidder, provided that he/she is still prepared to provide the required goods at the quoted price.

"PREVIEW COPY ONLY"

# ANNEXURE A

"PREVIEW COPY ONLY"

## **SCOPE OF WORK**

### **TRANSNET LIMITED**

(REGISTRATION NO 1990/000900/06)

Trading as Transnet Freight Rail

(Hereinafter referred to as TRANSNET)

### **GENERAL BUILDING MAINTENANCE WORK TO TRANSNET FREIGHT RAIL REPAIRS TO MESS AND ABLUTION PERWAY OFFICE) SPRINGFONTEIN 02DX029B**

### **SPECIAL CONDITIONS CIVIL WORK**

#### **Scope of work**

This contract comprises the performance of general work as specified and according to attached specifications and plans as per Annexure A, and B for the Civil building trades.

All work in the specification must be carried out strictly according to local and National Civil building regulations.

#### **1. Site Location:**

The sites are situated at Transnet Freight Rail 11 PERWAY SPRINGFONTEIN.

This contract will consist of a contract document and letter of acceptance

#### **2. DEFINITIONS:**

Project Manager means any person appointed by Transnet Freight Rail from time to time to supervise and take charge of the Contract

Transnet Freight Rail is a business unit of Transnet Limited, Registration No 90/00900/06, a Company registered under the Company Laws of the Republic of South Africa.

#### **3. Discrepancies in Tender:**

Where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern. If in the Bill of Quantities there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.

Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderers will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices

#### **4. Acquaintance with Contract Documents**

The tenderers are required to acquaint themselves with the contents of the aforesaid documents and complete the following forms:

The tenderers are required to check the number of pages and should any be found to be missing or in duplicate or the figures or writing to be indistinct or should there be any doubt or obscurity as to the meaning of any particular word or phrase or descriptions or should tenderers consider that any item is incorrectly or inadequately described they must inform, the Senior Buyer (SCS) of the project, at once in writing, under reference and have the matter rectified or explained as the case may be, as no liability whatsoever will be admitted by Transnet Freight Rail in respect of errors in a tender due to the foregoing.

No alterations, erasures or additions of any kind shall be made by the tenderers, in from or to any part of this specification unless expressly required to be made by written notice and should any unauthorized alterations, erasures or additions be made, they will not be recognized by Transnet Freight Rail.

**5. Communication and Availability:**

The Contractor shall provide sufficient communication facilities including e-mail address and fax machine in order that he may be reached at any time and place during the duration of the contract

**6. Certificates of Compliance:**

Where required as per the by laws of any Local Authority or Municipality the Contractor will provide the necessary Compliance certificates of completed work. All Electrical work MUST have a Certificate of Compliance issued once the work is completed.

**7. Competency and Qualifications:**

The Contractor shall also provide:

- a. Satisfactory proof of his or his staff's qualifications for the task required before Transnet will permit him/her to commence this task duty.

Acceptable proof of qualifications shall be:

- i. A trade test diploma from the Department of Manpower issued at a test centre;
- ii. A completed contract of apprenticeship;
- iii. Proof of qualification acceptable to the Department of Manpower in the case of qualified artisans from a foreign country;
- iv. A license for water connections, if applicable;
- v. Plumbing work shall be done by a trained/registered plumber or under the supervision of a registered plumber as required by law in the National Building Regulations, regulation A18 CONTROL OF PLUMBERS AND PLUMBING WORK. A certificate of Compliance must be issued as per ICPSA and the Government Notice R 1875, 31<sup>st</sup> August 1979.
- vi. Any competency as needed and recognized by the Department of Labour.
- vii. Proof that he is able to perform all kinds of general repair work.

- b. If the workmanship is not of standard, albeit that the incumbent who undertakes the work is qualified as per clause 13 above, Transnet will reserve the right to ask that this incumbent be removed for doing work for Transnet.

- c. The successful tenderer shall give a name list of his employees who shall perform the various tasks to Transnet.

In addition to above the site contractor foreman / person in charge at the site shall have the necessary experience to do the necessary supervising and quality control of all the necessary tasks to complete the project to the satisfaction of Transnet Freight Rail.

**8. Environment:**

The contractor shall, at all times, comply with the statutes that prohibit pollution of any kind. These statutes are enacted in the following legislation.

- i. The National Environmental Management Act, 107/1998;
- ii. The Environmental Conservation Act, 73/1989; and
- iii. The National Water Act, 36/1998.
- iv. The Construction Regulations GN 1010 (Act 85)

The Contractor shall appoint a responsible person to ensure that no incidents shall occur on site that could cause pollution. Where the Contractor was negligent and caused any form of pollution the damage shall be rectified at the Contractor's cost.



**9. Transnet Specifications (Enclosed):**

Occupational Health & Safety Act 85 (of 1993)

The Contractor shall comply with the Occupational Health & Safety Act, 1993 (Act 85 of 1993)

**10. Handing over of Site:**

No work will commence on any individual project before the site has been officially handed over by the Project Manager by means of a written site hand over document and instruction in the Site Instruction Book.

**11. Sub-Contractor:**

The Contractor shall not assign his obligations under the contract, nor subcontract the contract work. Where specialized work or part thereof is required the contractor can use a sub contractor with the consent of the Transnet Freight Rail Project Manager. Specialized work will include vertical blinds, carpets, tinting of window panes. Breach of this condition will entitle Transnet to cancel the contract forthwith.

**12. Price structure and payment:**

a. Payments will be made (30 days of receiving of invoice by finance in Johannesburg) when work is completed, (minus retention money), and in accordance with the Schedule of Rates and Prices.

Payments will be paid for each particular project once completed. If the working period in the project is longer than one month a progress payment may be made. This will be a part payment for the work completed on the date of measurement.

No payment will be made for material on site.

b. The invoiced amount payable to the Contractor shall be the sum of the charges as agreed and set out in the Schedule of Rates and Prices of each individual project and as approved on the acceptance letter for the project.

**13. Retention:**

Transnet will retain 10% of the value of the civil work for a period of SIX MONTHS (the maintenance period) or such further period beyond the maintenance period if defects have not yet been made good to the satisfaction of the Project Manager.

**14. Advertising Rights & Trading:**

a. The Contractor acknowledges that he is acquainted with the provisions of section 14(2) of the Merchandise Marks Act of 1941, in terms of which he is prohibited from advertising the fact that he is a Contractor to Transnet unless the written authority of Transnet thereto has first been obtained. Transnet reserves all advertising rights on Transnet's property.

b. The Contractor shall not trade on Transnet's property.

**15. Supervision:**

Transnet Real Estate Technical manager will delegate a responsible person (Project Manager) to take control of the supervision and management of the contract. The contractor shall only respond to these incumbents that have been appointed in writing any instruction that is not given via the delegated managers will be null and void.

**16. Inspection of work:**

a. During the progress of the contract, all materials used and all work being undertaken by the Contractor shall be subjected to periodic inspections.

b. Should at any stage in the progress of the said works, an inspection visit or test reveal any defects due to improper materials or workmanship or any other fault or neglect on the part of the

Contractor, such defective materials or workmanship shall immediately be replaced or remedied by the Contractor at his own expense and to the entire satisfaction of the authorized representative.

- c. No work shall be covered up or put out of view without the approval of the Project Manager. The Contractor shall afford full opportunity for the Project Manager to examine and measure any work, which is about to be covered up or put out of view before permanent work is placed thereon.
- d. The Contractor shall give due notice to the Project Manager whenever such work is ready or about to be ready for examination. The Project Manager shall without unreasonable delay, examine and or measure such work as required.
- e. The Contractor shall uncover any parts or parts of the work or make openings in or through the same as the Project Manager may from time to time direct and shall restate and make good such parts to the satisfaction of the Project Manager. The Contractor's costs for the reinstating shall be borne by the Contractor.

**17. Instructions to the Contractor and Site Records:**

Instructions to the Contractor shall be confirmed in writing and only requests that are received in writing, (By Fax) or written in the recognized Site Instruction book will be accepted for payment.

a. Site Diary

The Contractor shall provide a diary (A5 or bigger), in triplicate to record ALL day-to-day work done, weather conditions, staff on site and incidents that could occur during the contract period. This includes weather, number of workers on the site, incidences that have occurred and what work is to be done on that day. These records shall be used to enable the parties to determine exactly how many hours per day (including overtime) the Contractor and his staff have been working on a particular project.

b. Site Instruction Book

The Contractor shall provide a site instruction book (A5 or bigger), in triplicate for the project manager to place all instructions that are needed to compliment the specifications and drawings and any other instruction that may affect the cost of the work. For each project.

**18. Program & planning of the work:**

The Contractor shall provide to the Project Manager with a detailed plan of how he intends to do the work. This plan must be to the requirements of the operation of Transnet Freight Rail with minor disruptions as no delays must be allowed for in this regard. The program must be agreed to (in the site instruction book) before any work will be allowed to commence. The program can be in a form of a pert (bar) chart and will be used as a guide to measure progress of the work.

**19. Additional work:**

No work will be recognized for additional payment unless it has been asked for and a variation order approved and the VO recorded and signed by the Project Manager in the aforesaid book.

**20. Electricity supply and water supply:**

Electricity may be made available to the Contractor. The Contractor must adhere to the safety standards as per the General Safety Regulations, Electrical Machine Regulations, Electrical Installation Regulations of the Health and Safety Act, (Act 85 of 1993) and SABS 0142.

Water may be made available for the purpose of construction of the works only. The water shall be used conservatively and if not, this privilege shall be removed and the water shall be metered, and the cost of the metered water shall be borne by the Contractor as well as all charges as entertained by Transnet. The Contractor must supply all connections, hoses, etc, as necessary.

**21. Access to site, store for contractor material equipment and Transnet staff occupying buildings:**

The areas are restricted and the contractor must ensure he complies with the regulations of Transnet in every way.

Contractor and/or any sub-contractors shall be required to apply for permission to enter the restricted areas in writing.

The Contractor will provide his own portable store facilities, the store appearance shall be subject to the approval of the Transnet Project Manager. The location where the store may be placed shall be showed to the Contractor by the Transnet Freight Rail Project Manager and the store may only placed at this approved location.

All debris and materials removed from the building shall be safely and neatly stacked at an approved location and the area shall be cordoned off with barrier tape.

The Contractor is responsible for the safe keeping of all his material and equipment on site, the Contractor can have two staff members on site 24 hours 7 days a week to protect his material and equipment, these staff members will act as security and will not be allowed to sleep, wash or cook food on the Transnet premises.

The Building will not be occupied during the renovations. The Contractor is required to move any furniture, in the same room, if necessary is to be included in all items.

**22. Security:**

A list of names of workmen shall be given to the manager to arrange for the necessary permits. A 48 Hour minimum notice is necessary for processing these permits. This includes changes to staff during the contract period. The Contractor shall also provide each of his workers with a laminated identification card. On the front of the card must be the contract business name and a photo of the employee. On the back of the card the following local emergency numbers shall be printed. Ambulance service, Fire Department and Police.

The employee shall not be allowed on site if he does not have his identification card with him.

**23. Materials found on site:**

The Contractor shall not use on the works any materials found on the site without the prior written consent of the manager. Not material that is lying around on the site or on Transnet's property may be removed (even if deemed as scrap) by the contractor.

**24. Measure of work:**

Contractor to check all measurements provided on work and price list before submitting quote per project. The list provided by Transnet is only a guide, contractor to inform Project Manager of any discrepancies in measurements and quantities before submitting quote for project. Contractor is also responsible to do all measuring work for material needed.

**25. Site Meetings:**

Site meetings to discuss the project will be held, on a regular basis as agreed upon, between Transnet Freight Rail Project Manager and the Contractor, (Relevant Sub Contractors / Specialists may be requested to attend).

Progress and site inspection meetings will take place on a regular basis, once a week or as per arrangement.

**26. Hire equipment:**

If necessary to hire abnormal equipment to do any work, the payment for the hired equipment shall be market related priced, actual invoice plus a 10% mark-up. These costs shall be included in the quote for the project. The approval of the Transnet Project Manager is required before such equipment is hired.

**27. Working outside normal working hours:**

Normal working hours are between 07:30 and 16:00 Mondays to Fridays.

The Project Manager, the Contractor and Manager of the Transnet staff using the building will meet to discuss and agree if Contractor requests work outside the normal hours as indicated above and on Weekends and Public Holidays. Due to security reasons this may be disallowed.

## **28. Safety:**

The Contractor shall submit a Health and Safety plan before any site will be handed over for approval. The Health and Safety plan will cover all the projects under the contract, the Health and Safety plan shall include a risk assessment to cover the standard risk and safety plan to general maintenance and alteration work to buildings. As per list:

- a. Erection & dismantling and working on scaffold**
- b. Using ladders**
- c. Working on sloping roof**
- d. Working within a public area**
- e. Hazardous chemical substances**
- f. Noise**
- g. Hire plant and machinery**
- h. Fire fighting equipment**
- i. Gas cylinders**
- j. Portable electrical tools**
- k. Transport Staff**
- l. Transport material**
- m. Occupational health**
- n. Welfare facilities**
- o. Speed restriction**
- p. Permits**
- q. Occupational health and safety signage**
- r. Personal protective clothing, equipment (PPE)**
- s. Potential hazard situations**
- t. Working at Heights of more than 3 meters**
- u. Working near to electricity overhead lines**
- v. Installing and replacing electrical equipment**

**Precautions to be taken: See Transnet E7-1 document**

The Contractor will however also be responsible to do a risk assessment of each individual project and if there is any risk at an individual project that is not covered under the general risk assessment that is included in the Health and Safety plan the risk assessment will be included in the Health and Safety plan.

The Contractor will have a First Aid box on site at every project, except if where buildings are not further than 100m from the building where the First Aid Kit is kept.

*The first aid box shall be stocked with the equipment as per general safety regulation and the location of the First Aid box will be indicated with appropriate signage.*

The Contractor and all his employees shall attend a Safety Induction session on safety before any work start on Transnet property. The Contractor and his employees shall sign a register that they attended the Safety Induction session and only workers who have attended the session will be allowed to work on the site.

## **29. Insurance**

The Contractor shall provide the insurance for the following:

Public Liability and Safety of Contractor's employees.

**30. Substance abuse testing:**

The OHS Act (Act 85 of 1993) clearly states in the Safety Regulations **no 2A "INTOXICATION"** An employer or user, as the case may be, shall not permit any person who appears to be under the influence of intoxicating liquor of drugs, to enter or remain at a workplace". Transnet Freight Rail enforces this legislation by means of its Substance Abuse Policy, and therefore reserves the right to do substance abuse testing on anyone who enters their premises.

**"PREVIEW COPY ONLY"**

**BUILDING DESCRIPTION: REPAIRS TO BUILDING SPRINGFONTEIN**

**CITY / TOWN: SPRINGFONTEIN**

**TENDER NO: BFX/53586**

**ASSET NO: 02DX029B**

**ITEM NO. SPECIFICATIONS PER ITEM**

**CEILINGS**

- 13 Work description: Install trap door lid only, excluding frame work.  
Manufacture trap door lid from 38 x 38mm SA pine, cover frame with 3,2mm hardboard.  
Trap door lid must have a clearance of 3mm on all sides. Paint trap door one coat, primer, undercoat and white egg shell enamel.
- 19 Work description: Fix loose cornice  
Securely fix in position all loose cornices. Fix loose cornice to ceiling with 40 x 2mm diameter cadmium plated clout headed nails, and to wall surface with approved hardened steel nails, all at not more than 200mm centres.
- 20 Work description: Replace cornice partly  
Take off defective cornices to the ceilings specified and remove from site. Provide new cornices to match existing; fix new cornices to ceiling with 40 x 2mm diameter cadmium plated clout headed nails, and to wall surfaces with approved hardened steel nails, all at not more than 200mm. Provide new cornices to match existing.
- 41 Work description: Paint ceiling complete undercoat and egg shell enamel  
Paintwork to ceilings include the cover strips, cornices stopping, sanding, dusting and priming of nail heads and screws. Ceilings previously painted with enamel paint: Apply one coat of universal undercoat (SABS 681) and one coat white EGG SHELL ENAMEL paint (SABS 515). All surfaces not being painted such as brickwork, sills, floors, joinery work and the like must be covered up and protected against spotting before any painting commence. No sweeping or dusting shall be done while painting is in progress or while paint is still wet.

**WALLS INTERIOR**

- 61 Work description: Paint walls smooth plaster 1 coat UNIVERSAL UNDERCOAT.  
All paint work shall be done according to the specifications of the manufacturer. Over coating shall be done as specified by the manufacturer. All surfaces not being painted, such as brickwork, sills, floors, joinery work and the like must be covered up and protected against spotting before any painting is commenced with. No sweeping or dusting shall be done while painting is in progress or while paint is still wet. All items that are more cost effective to remove from wall and to re-fix must be removed to avoid cutting in against items, such as notice boards, towel rails and other such items.
- 70 Work description: chip 80 % of wall and provide key coat on wall for ceramic tiles. Apply Tylon Key it or Tal primer and keying agent to smooth surfaces. Surface must be firm, free of dust, wax polish and organic growth. Painted and gypsum plastered surfaces need to be chipped to remove 80 % of paint or gypsum. Apply Tylon Key it or Tal keying agent as specified by the manufacturer.  
BEFORE ANY TILING MAY COMMENCE, THE REPRESENTATIVE MUST FIRST APPROVE THE SURFACE.
- 71 Work description: Apply key coat on wall for ceramic tiles.  
Apply Tylon Key it or Tal primer and keying agent to smooth surfaces. Surface must be firm, free of dust, wax polish and organic growth. Painted and gypsum plastered surfaces need to be chipped to remove 80 % of paint or gypsum. Apply Tylon Key it or Tal keying agent by the manufacturer.

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**TENDER NO: BFX/53586**

**ASSET NO: 02DX029B**

**ITEM NO. SPECIFICATIONS PER ITEM**

BEFORE ANY TILING MAY COMMENCE, THE REPRESENTATIVE MUST FIRST APPROVE THE SURFACE.

74 Work description: Lay glazed wall tiles.

\*BEFORE ANY TILING COMMENCES, THE REPRESENTATIVE MUST FIRST APPROVE THE SURFACE, IN SITE BOOK. \*ALL HOLLOW SOUNDING TILES SHALL BE REMOVED AND RE-FIXED. \*USE ONLY TYLON CM11 OR TAL PROFESSIONAL ADHESIVE OR TYPE APPROVED BY PROJECT MANAGER. \*NEVER USE SPOT OR BLOB METHODS. \*NEVER BUTT JOINT TILES.

Glazed ceramic wall tile and fittings shall comply with (SABS 22). Tiles should be even in shape and size, free from cracks, twists or blemish and uniform in colour. Tiles shall be fixed in accordance with (SABS 0107). Tiles should be fixed with a cement based adhesive. The adhesive shall be as recommended by the manufacturer of the tiles. Joints shall be level, straight, continuous and with 2mm spacers for tiles up to 250 x 200mm and 3mm for bigger sizes as recommended by the tile manufacturer. Symmetrical arrangements of tiling, with cutting along both sides of panels, to avoid cutting of tiles smaller than 50mm wide, shall be done. Cutting and fitting of tiles against walls and around doorframes, etc. must be neat, with a gap between 2 and 5 mm. Tiling is to be returned into reveals of openings, onto window sills, and onto top of screen pans, etc. Do not stack tiles outside, exposed to dust, dirt and rain. Store under cover and not in direct contact with soil. Use only approved cement based tile adhesive. Follow adhesive manufacturer's instructions. Use notched trowel to apply adhesive 6mm x 6mm notches at 6mm intervals. The BLOB and SPOT method must not be used. Joint widths shall be 3mm. Tiles must be dry before being bedded. Tap tiles level with a rubber mallet. All tiles must make 100% contact with adhesive, make sure there are no voids. Allow the adhesive to cure for 2 to 3 days before grouting. Use only approved grout. Mix grout with Tylon or Tal Bond-it in shower areas. Fill joints to lower edge of bevel and not level with the top of the tile. The work must be kept very clean during grouting as dried grout is almost impossible to remove from textured tiles. DO NOT USE ACIDS, SPIRITS OF SALTS, AMMONIA, OTHER STRONG CHEMICALS OR STEEL WOOL TO CLEAN TILES.

**WINDOWS INTERIOR**

128 Work description: Fix loose peg stay

Fix brass or chrome plated window handle with right type and of matching metal finish screw. Apply lock tight to screw.

173 Work description: Service or repair aluminium Venetian blinds

Service = replace all cords and straps

**WINDOWS INT AND EXT**

179 Work description: Replace cracked/broken windowpanes (clear)

See first item for replacing glass for specification on item

**DOORS/SECURITY GATES**

272 Work description: Varnish door complete, 2 coats.

Previously varnished doors: Wash thoroughly with a suitable detergent to remove all dirt and rinse with clean water. Remove defective paint/varnish and repair all holes and defective places with a suitable wood filler. Sand complete door and wipe off all sanding dust with a damp cloth. Allow to dry and apply two coats of varnish on varnished doors. New doors to be varnished: Sand smooth and wipe sanding dust off with damp cloth. Allow to dry and apply one coat wood primer, one coat universal undercoat and one coat gloss enamel. Apply three coats varnish on doors to be varnished. Allow paint to dry between coats as per specification.



**TENDER NO: BFX/53586**

**ASSET NO: 02DX029B**

**ITEM NO. SPECIFICATIONS PER ITEM**

288 Work description: Manufacture and install security gate.  
Manufacture security gates with grade A steel. Use 32 x 32 x 1.6mm (minimum thickness) square tubing for main frame. Use 25 x25 x 1.6mm (minimum thickness) square tubing for gate frame and for horizontal bars. All horizontal bars shall be drilled to accommodate 12mm round bars. Use 12mm diameter solid round bar for vertical bars. Vertical bars shall be straight and be evenly spaced at not more than 120mm centres. Provide each gate with 3 butterfly hinges, hinges size 150mm long and 10mm diameter, Fit three hinges to each gate, fit one hinge 150mm from top one in centre and one 150mm from bottom of gate. Fit Ultra double gate security gate lock to double gate and Ultra single gate security lock to single gates. Drill 4 holes of 12mm diameter each side of main frame, space holes evenly and drill holes at least 100mm deep in brick wall. Insert 132mm long x 12mm diameter round bar in holes and weld to main frame. Cut and grind flush with main frame. All corners shall be mitred 45 degrees and welding shall be neat with all welding flux and spots removed and clean with steel brush. Clean steel with metal cleaner or thinners to remove all oil and dirt. Apply one coat Plascon or Dulux metal primer, one coat Plascon or Dulux universal undercoat and one coat Plascon or Dulux white gloss enamel to gates. As per specification, allow paint to dry between coats.

**FLOORS**

343 WORK DESCRIPTION: Chip 80% and provide key coat on floor for ceramic tiles.  
Chip floor to 80%. Before tiling, clean floor, apply Tylon (Tylon key it mixed with Tylon plaskey) or Tal primer and keying agent for use on smooth surfaces. Mix and apply primer and keying agent as recommended by manufacturer.

344 Work description: Lay first grade ceramic tile on floor.  
\*BEFORE TILING COMMENCES, THE REPRESENTATIVE MUST FIRST APPROVE THE SURFACE, IN SITE BOOK. \*ALL TILES THAT SOUND HOLLOW SHALL BE REMOVED AND RE-FIXED. \*\*\*USE ONLY TYLON WB11, TAL PROFESIONAL ADHESIVE OR TYPE APPROVED BY PROJECT MANAGER. \*\*\*NEVER USE SPOT OR BLOB METHODS. \*\*\*NEVER USE SPOT OR BLOB METHODS. \*\*\*NEVER BUT JOINT TILES. Thoroughly clean surfaces before any tiling commences. Smooth or painted surfaces must be chipped to 80% of area. KEY IT with TAL or TYLON must be applied over whole area. Glazed floor tiles shall comply with (SABS 449). Tiles shall be even in shape and size, free from cracks, twists or blemishes and uniform in colour. The adhesive shall be Tylon CM11 tile adhesive or Tal professional. The use of any other type shall not be allowed if not approved by the Project Manager. Joints shall be straight, continuous with 5mm widths and pointed with waterproofing grout compound from TAL, Tylon or Alcolac. Symmetrical arrangements of tiling with cutting along both sides of panels to avoid cutting of tiles smaller than 75mm wide shall be done. Cutting and fitting of tiles against walls and around door frames, sanitary fittings, etc must be neat, with a gap between 4 and 6 mm. Replace one broken or cracked floor tiles between existing tiles. Use notched trowel to apply adhesive 10mm x 10mm notches at 6mm intervals. The BLOB and SPOT method must not be used. All excess adhesive shall be removed from joints before drying has occurred. Tiles must be dry before being bedded. Tap tiles level with a rubber mallet. All tile that sound hollow, if tapped, shall be removed. Allow the adhesive to cure for 2 to 3 days before grouting. Use only approve grout, mix grout with Tylon or Tal Bond-It in areas specified. Fill joints to lower edge of bevel and not level with the top of the tile. The work must be kept very clean during grouting as dried grout is almost impossible to remove from textured tiles. DO NOT USE ACIDS, SPIRITS OF SALTS, AMMONIA, OTHER STRONG CHEMICALS OR STEEL WOOL TO CLEAN TILES.

**PLUMBING INTERIOR**

439 Work description: Remove wash hand basin, complete.

442 Work description: Install/replace wash hand basin, 2 taps, connector, outlet and rubber trap.  
Wash hand basins white porcelain/glazed ceramic and shall comply with (SABS 497). Pillar taps shall be chromium plated brass and of heavy pattern Cobra brand and shall comply with (SABS 226). Taps for hot water shall be marked with red coloured plastic inserts and fixed on the left hand side of all



**TENDER NO: BFX/53586**

**ASSET NO: 02DX029B**

**ITEM NO. SPECIFICATIONS PER ITEM**

basins, sinks, showers, etc. Taps for cold water with green/blue plastic inserts on the right hand side. Waste outlet shall be chromium plated brass with plug, chain and of Cobra brand and shall comply with (SABS 226). Rubber trap shall comply with (SABS 1321). Installation of basin, taps, waste outlet and trap shall be done in accordance with the relevant manufacturer's instructions. Basin shall be fixed with silicone layer between basin and wall. Basin shall be level and shall be 800mm from finished floor level to top front section of basin if no pedestal basin is specified.

- 458 Work description: Install/replace Plastic cistern complete  
Installation of the cistern shall be done in accordance with the relevant manufacturer's instructions. Use approved Plastic low level cistern that complying with the requirements of SABS Specification 821, and complying with the requirements of SABS specification 497. Low level cisterns shall be of the valve less symphonic type or of the flushing valve type, each with body and removable cover – NB: Flush pipes to flushing cistern shall have an internal diameter of not less than 34mm.
- 477 Work description: Fit/Replace shower rose  
Provide and fix in each shower cubicle an approved 50mm diameter brass chromium-plated shower rose connected with short length of 15mm diameter chromium-plated pipe taken down on wall to height required and connect to 15mm brass chromium-plated stop cock to cold water supply.

**"PREVIEW COPY ONLY"**

<b>CIVIL REPAIRS TO KITCHEN AND ABLUTION SPRINGFONTEIN (ASSET 02DX029B).</b>
<b>CLOSING VENUE: TENDER BOX</b>
<b>CLOSING DATE &amp; TIME: 02 JUNE 2015 AT 10:00</b>
<b>VALIDITY PERIOD: 90 Business Days</b>

**SECTION 2  
 EVALUATION CRITERIA AND RETURNABLE DOCUMENTS**

**1 Evaluation Criteria**

Transnet will utilise the following criteria [not necessarily in this order] in choosing a Supplier/Service Provider, if so required:

Criterion/Criteria	Explanation
<b>Administrative responsiveness</b>	Completeness of response and returnable documents
<b>Substantive responsiveness</b>	Prequalification criteria, if any, must be met and whether the Bid materially complies with the scope and/or specification given.
<b>Final weighted evaluation based on 80/20 preference point</b>	<ul style="list-style-type: none"> <li>• Pricing and price basis [firm]</li> <li>• B-BBEE status of company - Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table indicated in Annexure A: B-BBEE Claim Form.</li> </ul>

**2 Validity Period**

Transnet desires a validity period of 90 [ninety] Business Days from the closing date of this RFQ.

This RFQ is valid until \_\_\_\_\_.

**3 Disclosure of Prices Quoted**

Respondents must indicate here whether Transnet may disclose their quoted prices and conditions to other Respondents:

YES  NO

**4 Returnable Documents**

**Returnable Documents** means all the documents, Sections and Annexures, as listed in the tables below.

**All Returnable Sections, as indicated in the header and footer of the relevant pages, must be signed, stamped and dated by the Respondent.**

- a) Respondents are required to submit with their Quotations the **mandatory Returnable Documents**, as detailed below.

**Failure to provide all these Mandatory Returnable Documents at the Closing Date and time of this RFQ will result in a Respondent's disqualification. Respondents are therefore urged to ensure that all these Documents are returned with their Quotations.**

Please confirm submission of these mandatory Returnable Documents by so indicating [Yes or No] in the tables below:

Mandatory Returnable Documents	Submitted [Yes or No]
SECTION 3 : Quotation Form	

b) In addition to the requirements of section (a) above, Respondents are further required to submit with their Quotations the following **essential Returnable Documents** as detailed below.

**Failure to provide all these Returnable Documents may result in a Respondent's disqualification. Respondents are therefore urged to ensure that all these documents are returned with their Quotations.**

Essential Returnable Documents	Submitted [Yes or No]
SECTION 2 : Evaluation criteria and list of returnable documents	
- SECTION 4 : RFQ Declaration and Breach of Law Form	
- Valid and original, or a certified copy, of your entity's B-BBEE Verification Certification as per the requirements stipulated in Annexure A: B-BBEE Claims Form Note: failure to provide these required documents at the closing date and time of the RFQ will result in an automatic score of zero being allocated for preference	
- Original valid Tax Clearance Certificate [Consortia / Joint Ventures must submit a separate Tax Clearance Certificate for each party]	
ANNEXURE A – B-BBEE Preference Points Claim Form	
CIDB Registration Certificate ( GB1 )	
Compensation for Occupational Injuries and Diseases Act 1993/Valid Letter of Good Standing	
Previous experience (CV & References of previous successful work done)	
Risk & Safety Plan	

**CONTINUED VALIDITY OF RETURNABLE DOCUMENTS**

The successful Respondent will be required to ensure the validity of all returnable documents, including but not limited to its Tax Clearance Certificate and valid B-BBEE Verification Certificate, for the duration of any contract emanating from this RFQ. Should the Respondent be awarded the contract [**the Agreement**] and fail to present Transnet with such renewals as and when they become due, Transnet shall be entitled, in addition to any other rights and remedies that it may have in terms of the eventual Agreement, to terminate such Agreement forthwith without any liability and without prejudice to any claims which Transnet may have for damages against the Respondent.

\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date & Company Stamp

**SECTION 3**  
**QUOTATION FORM**

I/We \_\_\_\_\_  
hereby offer to supply the goods/services at the prices quoted in the Price Schedule below, in accordance with the conditions related thereto.

I/We agree to be bound by those terms and conditions in:

- the Standard RFQ Terms and Conditions for the Supply of Goods or Services to Transnet; and
- any other standard or special conditions mentioned and/or embodied in this Request for Quotation.

I/We accept that unless Transnet should otherwise decide and so inform me/us, this Quotation [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to deliver the said goods/service/s within the delivery lead-time quoted, Transnet may, without prejudice to any other legal remedy which it may have, cancel the order and recover from me/us any expenses incurred by Transnet in calling for Quotations and/or having to accept any less favourable offer.

"PREVIEW COPY ONLY"

**By signing this Quotation Form the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar, and agrees, with all the conditions governing this RFQ, including those contained in any printed form stated to form part hereof, including but not limited to the documents stated below and Transnet SOC Ltd will recognise no claim for relief based on an allegation that the Respondent overlooked any such condition or failed properly to take it into account for the purpose of calculating tendered prices or otherwise:**

1. Specifications and drawings included in this RFQ - if applicable; and
2. The following documents all of which are available on Transnet's website or upon request:
  - 2.1. General Bid Conditions;
  - 2.2. Standard RFQ Terms and Conditions for the Supply of Goods or Services to Transnet;
  - 2.3. Supplier Integrity Pact;
  - 2.4. Vendor Application Form and all supporting documents (first time vendor only)

Alternatively, for all existing vendors, please provide vendor number(s) here:

Transnet Operating Division	Unique Vendor Number	Yes / No
Transnet Freight Rail		

In the Yes/No column above, please confirm that all the information e.g. company address and contact details, banking details etc. are still correct as at the time of allocation of the vendor number(s). Alternatively, Respondents are required to provide the updated information with their bid submission.

SIGNED at \_\_\_\_\_ on this \_\_\_\_ day of \_\_\_\_\_ 20\_\_

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 \_\_\_\_\_  
Name \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2 \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: \_\_\_\_\_

NAME: \_\_\_\_\_

DESIGNATION: \_\_\_\_\_

**SECTION 4**

**RFQ DECLARATION AND BREACH OF LAW FORM**

NAME OF ENTITY: \_\_\_\_\_

We \_\_\_\_\_ do hereby certify that:

1. Transnet has supplied and we have received appropriate responses to any/all questions [as applicable] which were submitted by ourselves for RFQ Clarification purposes;
2. we have received all information we deemed necessary for the completion of this Request for Quotation [RFQ];
3. we have been provided with sufficient access to the existing Transnet facilities/sites and any and all relevant information relevant to the Supply of the Goods as well as Transnet information and Employees, and has had sufficient time in which to conduct and perform a thorough due diligence of Transnet's operations and business requirements and assets used by Transnet. Transnet will therefore not consider or permit any pre- or post-contract verification or any related adjustment to pricing, service level or any other provisions/conditions based on any incorrect assumptions made by the Respondent in arriving at his Bid Price.
4. at no stage have we received additional information relating to the subject matter of this RFQ from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the RFQ documents;
5. we are satisfied, insofar as our entity is concerned, that the processes and procedures adopted by Transnet in issuing this RFQ and the requirements requested from Bidders in responding to this RFQ have been conducted in a fair and transparent manner; and
6. furthermore, we declare that a family, business and/or social relationship **exists / does not exist** [delete as applicable] between an owner / member / director / partner / shareholder of our entity and an employee or board member of the Transnet Group including any person who may be involved in the evaluation and/or adjudication of this Bid.
7. In addition, we declare that an owner / member / director / partner / shareholder of our entity **is / is not** [delete as applicable] an employee or board member of the Transnet Group.
8. If such a relationship as indicated in paragraph 6 and/or 7 exists, the Respondent is to complete the following section:

FULL NAME OF OWNER/MEMBER/DIRECTOR/  
PARTNER/SHAREHOLDER:

ADDRESS:

\_\_\_\_\_  
\_\_\_\_\_

Indicate nature of relationship with Transnet:

\_\_\_\_\_

*[Failure to furnish complete and accurate information in this regard will lead to the disqualification of a response and may preclude a Respondent from doing future business with Transnet]*

\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date & Company Stamp

9. We declare, to the extent that we are aware or become aware of any relationship between ourselves and Transnet [other than any existing and appropriate business relationship with Transnet] which could unfairly advantage our entity in the forthcoming adjudication process, we shall notify Transnet immediately in writing of such circumstances.

**BREACH OF LAW**

10. We further hereby certify that *I/we have/have not been* [delete as applicable] found guilty during the preceding 5 [five] years of a serious breach of law, including but not limited to a breach of the Competition Act, 89 of 1998, by a court of law, tribunal or other administrative body. The type of breach that the Respondent is required to disclose excludes relatively minor offences or misdemeanours, e.g. traffic offences. This includes the imposition of an administrative fine or penalty.

Where found guilty of such a serious breach, please disclose:

NATURE OF BREACH:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DATE OF BREACH: \_\_\_\_\_

Furthermore, I/we acknowledge that Transnet SOC Ltd reserves the right to exclude any Respondent from the bidding process, should that person or entity have been found guilty of a serious breach of law, tribunal or regulatory obligation.

SIGNED at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

For and on behalf of _____ duly authorised hereto	AS WITNESS:
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	Registration No of Company/CC _____
Place:	Registration Name of Company/CC _____

# Supplier Declaration Form

Company Trading Name							
Company Registered Name							
Company Registration Number Or ID Number If A Sole Proprietor							
Form of entity	CC	Trust	Pty Ltd	Limited	Partnership	Sole Proprietor	
VAT number (if registered)							
Company Telephone Number							
Company Fax Number							
Company E-Mail Address							
Company Website Address							
Bank Name			Bank Account Number				
Postal Address						Code	
Physical Address						Code	
Contact Person							
Designation							
Telephone							
Email							
Annual Turnover Range (Last Financial Year)		< R1 million	R1-5 million	R5-35 million	> R35 million		
Does Your Company Provide		Products	Services	Both			
Area Of Delivery		National	Provincial	Local			
Is Your Company A Public Or Private Entity		Public			Private		
Does Your Company Have A Tax Directive Or RP30 Certificate		Yes			No		
Main Product Or Service Supplied (E.G.: Stationery/Consulting)							
<b>BEE Ownership Details</b>							
% Black Ownership		% Black women ownership		% Disabled person/s ownership			
Does your company have a BEE certificate		Yes		No			
What is your broad based BEE status (Level 1 to 9 / Unknown)							
How many personnel does the firm employ		Permanent		Part time			
Transnet Contact Person							
Contact Number							
Transnet operating division							
<b>Duly Authorised To Sign For And On Behalf Of Firm / Organisation</b>							
Name		Designation					
Signature		Date					
<b>Stamp And Signature Of Commissioner Of Oath</b>							
Name		Date					
Signature		Telephone No.					

Respondent's Signature

Date & Company Stamp



ANNEXURE B

"PREVIEW COPY ONLY"

## ANNEXURE B

### **CONTRACTOR TENDER PRICE LIST PER ITEM FOR FENCING**

**FENCE DESCRIPTION REPAIRS TO BUILDING SPRINGFONTEIN**

**CITY / TOWN: SPRINGFONTEIN**

**TENDER NO:**

**ASSET NO: 02DX029B**

Measurements and or quantities do not include off cuts or waste all measurements of material is measure as nett fixed. Contractor to add his own % for off cuts and waste.

The contractor is responsible to check all the measurements and quantities as stated before ordering any material. The measurement and quantities are only for tender purposes.

Value Added Tax (VAT) shall be excluded in the schedule of rates and prices.

To be supplied by the Contractor: The Contractor shall provide all labour, material, transport, consumable stores, plant, equipment, tools, services, materials and ingredients of every description required for the carrying out and completion of the WORK as per the attached worklist and specification and as may be ordered by the Project Manager.

GENERAL: All normal cleaning, preparation include sanding and wash of items to be painted as specified by the paint manufacturer is included in all the paint items. All scaffolding and use of ladders as necessary is part of all the items. All work shall be done according to the attached specifications. Unless otherwise specified all materials must comply with SANS specifications.

Where no applicable SANS Specification exists the materials must be approved by the Transnet freight rail project manager.

All material shall be fitted, install or applied as specified by the manufacture.

The contractor shall be liable for any damages cause by him or his staff to any Transnet freight rail property and or equipment.

SAFETY: The contractor shall comply with the Occupational Health Safety Act, 1993 (Act 85 of 1993).

Page 1 of 3

SUB TOTAL PAGE 1

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TENDER NO:

ASSET NO: 02DX029B

ITEM NO	DESCRIPTION	ITEM TOTAL	MEASURE UNIT	UNIT RATE	ITEM AMOUNT
<b>CEILING</b>					
13	Replace trap door lid only, excluding frame work. lid shall be manufacture from 3,2mm hardboard with a 38mm x 38mm branding frame. paint lid one coat plaster primer, one coat universal undercoat and one coat white egg shell enamel.	1	EA		
19	Fix loose cornice	6	M		
20	Replace cornice partly to match existing cornice (specify type)	6	M		
41	Paint ceiling complete 1 coat universal undercoat and 1 coat egg shell enamel after preparations as specified was done. (see attached paint specification)	30	M <sup>2</sup>		
<b>WALLS INTERIOR</b>					
61	Paint wall 1 coat universal undercoat (use item to change paint finish from gloss/egg shell enamel to water based paint). apply paint only after preparation as per attached specification.	52	M <sup>2</sup>		

Tenderer signature: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

TENDER NO:

ASSET NO: 02DX029B

ITEM NO	FAULT DISCRPTION	ITEM TOTAL	MEASURE UNIT	UNIT RATE	ITEM AMOUNT
70	Chip 80% of wall area to be tiled and apply key coat to wall before laying ceramic tiles. key coat shall be apply according the manufacturer specification on container	16	M^2		
71	Apply key coat to wall before laying ceramic tiles, key coat shall be applied according the manufacturer specification on container) (use item when tiling direct on to straight and level brick wall)	16	M^2		
74	Lay 1st grade 200 x 250mm white ceramic glazed wall tiles. use 3mm spacers. item include walls, reveals, soffits, sills and the top of shower walls. use white grout. use only Tylon wb11 adhesive or adhesive approved by project manager	15	M^2		
WINDOWS INTERIOR					
128	Fix loose peg stay with right type screw. apply lock tight or similar product to screws	3	EA		
173	Service Venetian blind. (identify, specify size and total of each size at explanation)	3	EA		
WINDOWS INT AND EXT					
179	Replace cracked or broken window panes clear, size up to 0.90m x .45m x 3mm thick per attached specification. area 0.00 up to 0.75 use 3mm thick glass. place sheet on floor and garden to catch all broken glass	3	EA		
DOORS/SECURITY GATES					
272	Varnish door complete both sides, side edges and top edge, 2 coats varnish. use exterior varnish on exterior side. door 810mm x 2.03m door = 3.66m2. door 750mm x 2.03m door = 3.42m2. after preparations as per attached detailed specifications	3	EA		
288	Manufacture and install security gate 20 METER X 1M ETER paint gate 1 coat steel anti rust primer, 1 coat universal undercoat and 1 coat gloss enamel. read attached detailed specifications.	1	EA		
FLOORS					
343	Chip 80 % of concrete floor area. supply and apply Tylon or tal key coat to floor for ceramic tiles (please read the manufacture specifications on container on how to mix and apply the key coat)	26	M^2		
344	Lay 1st grade ceramic tiles on floor (use 10 x 6mm notched grove joints 5mm wide) use only Tylon wb11 tile adhesive or adhesive approved by project manager. tender on tiles as per sample tile shown at site meeting (read attached detailed specifications)	26	M^2		
PLUMBING INTERIOR					
439	Remove hand wash basin complete with brackets and waste pipe. item include the repair of all holes in wall. item does not include the water pipes. see item to remove water pipes per job as necessary.	1	EA		
442	Install approved type porcelain wash hand basin, 2 cobra heavy pattern pillar taps with star handle, 2 braided flex connectors, chrome plated brass outlet, chain, plug and rubber trap (install basin 800mm high from floor to front top edge of basin)	1	JOB		
458	Replace cistern, install white plastic to comply with sabs specification 821 complete with rubber pan and rubber flush pipe connector	1	EA		
477	Fit / replace shower rose with swivel type complete with cobra brass chrome plated extension pipe with cover plate	1	EA		

Tenderer signature: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

TENDER NO:

ASSET NO: 02DX029B

ITEM NO	FAULT DISCRPTION	ITEM TOTAL	MEASURE UNIT	UNIT RATE	ITEM AMOUNT
480	Install kal/wespeco or approved pivot glass and aluminium shower door with obscure/frosted glass. silicone sealer shall be applied between tiles and aluminium frame before fitting frame and not after frame has been fixed.	1	EA		

**PRELIMINARY AND GENERAL**

P and G shall include all cost not directly relate to a specific item on the schedule of prices and rates. All items not specifically mentioned in the Schedule of Rates and prices and form part of contractor's requirements such as cost of stationery, as well as establishment of workers on site and removal of site establishment, it will also include the handing over of the site to the contractor and the handing back of the site after completion of work .

P + G

RISK AND SAFTEY

TOTAL CIVIL

TOTAL ELECTRICAL

SUB TOTAL

VAT

TOTAL

**RISK ASSESSMENTAND SAFTEY INDUCTION**  
 Cost for the risk assessment must include a full identification of the risks before the work starts and the necessary equipment, appropriate precautions and systems of work must be provided and Implemented.

Cost for the risk assessment and saftey include complete compliance with the current Occupational Health Safety Act.

Included in risk and saftey, The standardised Transnet freight rail induction shall be given to all staff of all contractors at the start of each project and the contractors shall send all his staff that will work on the Transnet freight rail site to the induction on the date as agreed on between TFR Project manager and the contractor

**The sub total price, excluding VAT, must be carried over to the Service Fee and Cost Form, Section 6 of the RFQ. The amount must also be written in words on the Service Fee and Cost Form.**

"PREVIEW COPY ONLY"

Tenderer signature: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**CIVIL REPAIRS TO KITCHEN AND ABLUTION SPRINGFONTEIN (ASSET 02DX029B)**

**ANNEXURE A: B-BBEE PREFERENCE POINTS CLAIM FORM**

This preference form contains general information and serves as a claim for preference points for Broad-Based Black Economic Empowerment [**B-BBEE**] Status Level of Contribution.

**1. INTRODUCTION**

- 1.1 A total of 20 preference points shall be awarded for B-BBEE Status Level of Contribution.
- 1.2 Failure on the part of a Bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System [**SANAS**] or a Registered Auditor approved by the Independent Regulatory Board of Auditors [**IRBA**] or an Accounting Officer as contemplated in the Close Corporation Act [**CCA**] together with the bid will be interpreted to mean that preference points for B-BBEE Status Level of Contribution are not claimed.
- 1.3 Transnet reserves the right to require of a Bidder, either before a Bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by Transnet.

**2. GENERAL DEFINITIONS**

- 2.1 **"all applicable taxes"** include value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- 2.2 **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.3 **"B-BBEE status of contributor"** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.4 **"Bid"** means a written offer in a prescribed or stipulated form in response to an invitation by Transnet for the provision of goods, works or services;
- 2.5 **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 [Act No. 53 of 2003];
- 2.6 **"comparative price"** means the price after the factors of a non-firm price and all unconditional discounts that can be utilised have been taken into consideration;
- 2.7 **"consortium or joint venture"** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skills and knowledge in an activity for the execution of a contract;

\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date & Company Stamp

- 2.8 **"contract"** means the agreement that results from the acceptance of a bid by Transnet;
- 2.9 **"EME"** means any enterprise with an annual total revenue of R5 [five] million or less as per the 2007 version of the B-BBEE Codes of Good Practice and means any enterprise with an annual total revenue of R10 [ten] million or less as per the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928;
- 2.10 **"firm price"** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs and excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 **"functionality"** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 **"non-firm prices"** means all prices other than "firm" prices;
- 2.13 **"person"** includes reference to a juristic person;
- 2.14 **"QSE"** means any enterprise with an annual total revenue between R5 [five] million and R35 [thirty five] million as per the 2007 version of the B-BBEE Codes of Good Practice and means any enterprise with an annual total revenue of between R10 [ten] million and R50 [fifty] million as per the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928
- 2.15 **"rand value"** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.16 **"subcontract"** means the primary contractor's assigning or leasing or making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.17 **"total revenue"** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Empowerment Act and promulgated in the Government Gazette on 9 February 2007;
- 2.18 **"trust"** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.19 **"trustee"** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

### 3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The Bidder obtaining the highest number of total points for the evaluation criteria as enumerated in Section 2 of the RFP will be awarded the contract, unless objective criteria justifies the award to another bidder.

\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date & Company Stamp

- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.
- 3.3 Points scored will be rounded off to 2 [two] decimal places.
- 3.4 In the event of equal points scored, the Bid will be awarded to the Bidder scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more Bids have scored equal points including equal preference points for B-BBEE, the successful Bid will be the one scoring the highest score for functionality.
- 3.6 Should two or more Bids be equal in all respect, the award shall be decided by the drawing of lots.

**4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION**

- 4.1 In terms of the Preferential Procurement Regulations, 2011, preference points shall be awarded to a Bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of Points (Maximum 20)
1	20
2	18
3	16
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

- 4.2 Bidders who qualify as EMEs in terms of the 2007 version of the Codes of Good Practice must submit a certificate issued by an Accounting Officer as contemplated in the CCA or a Verification Agency accredited by SANAS or a Registered Auditor. Registered auditors do not need to meet the prerequisite for IRBA's approval for the purpose of conducting verification and issuing EME's with B-BBEE Status Level Certificates.
- 4.3 Bidders who qualify as EMEs in terms of the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928 are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R10 million or less and the entity's Level of Black ownership.
- 4.4 In terms of the 2007 version of the Codes of Good Practice, Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.

\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date & Company Stamp

- 4.5 The Department of Trade and Industry recently revised the Codes of Good Practice on 11 October 2013 [Government Gazette No. 36928]. The Revised Codes will replace the Black Economic Empowerment Codes of Good Practice issued on 9 February 2007. The Revised Codes provide for a transitional period ending 30 April 2015. During the transitional period, companies may elect to be measured in terms of the Revised Codes or the 2007 version of the Codes. Companies which are governed by Sector-specific Codes will be measured in terms of those Sector Codes.
- 4.6 As such, Transnet will accept B-BBEE certificates issued based on the Revised Codes. Transnet will also continue to accept B-BBEE certificates issued in terms of the 2007 version of the Codes provided it was issued before 1 May 2015. Thereafter, Transnet will only accept B-BBEE certificates issued based on the Revised Codes.
- 4.7 In terms of the Revised Codes of Good Practice, Bidders who qualify as QSEs must comply with all the elements of B-BBEE for the purposes of measurement. QSEs that are at least 51% or 100% Black owned are only required to obtain a sworn affidavit on an annual basis confirming that the entity has an Annual Total Revenue of R50 million or less and the entity's Level of Black ownership. Large enterprises must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.
- 4.8 A trust, consortium or joint venture will qualify for points for its B-BBEE status level as a legal entity, provided that the entity submits its B-BBEE status level certificate.
- 4.9 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 4.10 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialised scorecard contained in the B-BBEE Codes of Good Practice.
- 4.11 A person will not be awarded points for B-BBEE status level if it is indicated in the Bid documents that such a Bidder intends subcontracting more than 25% [twenty-five per cent] of the value of the contract to any other enterprise that does not qualify for at least the same number of points that such a Bidder qualifies for, unless the intended subcontractor is an EME that has the capability and ability to execute the subcontract.
- 4.12 A person awarded a contract may not subcontract more than 25% [twenty-five per cent] of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is subcontracted to an EME that has the capability and ability to execute the subcontract.
- 4.13 Bidders are to note that in terms of paragraph 2.6 of Statement 000 of the Revised Codes of Good Practice issued on 11 October 2013 in terms of Government Gazette No. 36928, any representation made by an entity about its B-BBEE compliance must be supported by suitable evidence or documentation. As such, Transnet reserves the right to request such evidence or documentation from Bidders in order to verify any B-BBEE recognition claimed.

---

Respondent's Signature

---

Date & Company Stamp



**5. B-BBEE STATUS AND SUBCONTRACTING**

**5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:**

B-BBEE Status Level of Contributor \_\_\_\_\_ = \_\_\_\_\_ [maximum of 20 points]

Note: Points claimed in respect of this paragraph 5.1 must be in accordance with the table reflected in paragraph 4.1 above and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or a sworn affidavit in the case of an EME or QSE.

**5.2 Subcontracting:**

Will any portion of the contract be subcontracted? YES/NO [delete which is not applicable]

If YES, indicate:

- (i) What percentage of the contract will be subcontracted? .....%
- (ii) The name of the subcontractor .....
- (iii) The B-BBEE status level of the subcontractor .....
- (iv) Is the subcontractor an EME? YES/NO

**5.3 Declaration with regard to Company/ Firm**

- (i) Name of Company/Firm .....
- (ii) VAT registration number .....
- (iii) Company registration number .....
- (iv) Type of Company / Firm [TICK APPLICABLE BOX]

- Partnership/Joint Venture/Consortium
- One person business/sole propriety
- Close Corporations
- Company (Pty) Ltd

(v) Describe Principal Business Activities

.....  
.....

(vi) Company Classification [TICK APPLICABLE BOX]

- Manufacturer
- Supplier
- Professional Service Provider
- Other Service Providers, e.g Transporter, etc

(vii) Total number of years the company/firm has been in business.....

\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date & Company Stamp

**BID DECLARATION**

I/we, the undersigned, who warrants that he/she is duly authorised to do so on behalf of the company/firm, certify that points claimed, based on the B-BBEE status level of contribution indicated in paragraph 4 above, qualifies the company/firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct.
- (ii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 6 above, the contractor may be required to furnish documentary proof to the satisfaction of Transnet that the claims are correct.
- (iii) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, Transnet may, in addition to any other remedy it may have:
  - (a) disqualify the person from the bidding process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) restrict the Bidder or contractor, its shareholders and directors, and/or associated entities, or only the shareholders and directors who acted in a fraudulent manner, from obtaining business from Transnet for a period not exceeding 10 years, after the *audi alteram partem* [hear the other side] rule has been applied; and/or
  - (e) forward the matter for criminal prosecution.

**WITNESSES:**

- 1. ....
- 2. ....

SIGNATURE OF BIDDER

DATE:.....

COMPANY NAME: .....

ADDRESS:.....

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\_\_\_\_\_  
Respondent's Signature

\_\_\_\_\_  
Date & Company Stamp

**TRANSNET SOC LIMITED**

(Registration no. 1990/000900//30)

**SAFETY ARRANGEMENTS AND PROCEDURAL COMPLIANCE  
WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT  
(ACT 85 OF 1993) AND APPLICABLE REGULATIONS**

**1. General**

- 1.1 The Contractor and Transnet Limited (hereinafter referred to as "Transnet") are individual employers, each in its own right, with their respective duties and obligations set out in the Occupational Health and Safety Act, Act 85 of 1993 (the Act) and applicable Regulations.
- 1.2 The Contractor accepts, in terms of the General Conditions of Contract and in terms of the Act, his obligations as an employer in respect of all persons in his employ, other persons on the premises or the Site or place of work or on the work to be executed by him, and under his control. He shall, before commencement with the execution of the contract work, comply with the provisions set out in the Act, and shall implement and maintain a Health and Safety Plan as described in the Construction Regulations, 2003 and as approved by Transnet, on the Site and place of work for the duration of the Contract.
- 1.3 The Contractor accepts his obligation to complying fully with the Act and applicable Regulations notwithstanding the omission of some of the provisions of the Act and the Regulations from this document.
- 1.4 Transnet accepts, in terms of the Act, its obligations as an employer of its own employees working on or associated with the site or place of work, and the Contractor and Technical Officer or his deputy shall at all times, co-operate in respect of the health and safety management of the site, and shall agree on the practical arrangements and procedures to be implemented and maintained during execution of the Works.
- 1.5 In the event of any discrepancies between any legislation and this specification, the applicable legislation will take precedence.

**2. Definitions**

- 2.1 In this Specification any word or expression to which a meaning has been assigned in the Construction Regulations, shall have the meaning so assigned to it, unless the context otherwise indicates: -
- 2.2 The work included in this Contract shall for the purposes of compliance with the Act be deemed to be "**Construction Work**", which, in terms of the Construction Regulations, 2003 means any work in connection with: -
- (a) the erection, maintenance, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure;

- (b) the installation, erection, dismantling or maintenance of fixed plant where such work includes the risk of a person falling;
  - (c) the construction, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or any similar civil engineering structure; or
  - (d) the moving of earth, clearing of land, the making of an excavation, piling, or any similar type of work;
- 2.3 **“competent person”** in relation to construction work, means any person having the knowledge, training and experience specific to the work or task being performed: Provided that where appropriate qualifications and training are registered as per the South African Qualifications Authority Act, 1995 those qualifications and training shall be deemed to be the required qualifications and training;
- 2.4 **“contractor”** means principal contractor and **“subcontractor”** means contractor as defined by the Construction Regulations, 2003.
- 2.5 **“fall protection plan”** means a documented plan, of all risks relating to working from an elevated position, considering the nature of work undertaken, and setting out the procedures and methods applied to eliminate the risk;
- 2.6 **“health and safety file”** means a file, or other record in permanent form, containing the information required to be kept on site in accordance with the Act and applicable Regulations;
- 2.7 **“Health and Safety Plan”** means a documented plan which addresses the hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;
- 2.8 **“Risk Assessment”** means a programme to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard;
- 2.9 **“the Act”** means the Occupational Health and Safety Act No. 85 of 1993.

### 3. Procedural Compliance

- 3.1 The Contractor who intends to carry out any construction work shall, before carrying out such work, notify the Provincial Director in writing if the construction work:-
- (a) includes the demolition of a structure exceeding a height of 3 metres; or
  - (b) includes the use of explosives to perform construction work; or
  - (c) includes the dismantling of fixed plant at a height greater than 3m,
- and shall also notify the Provincial Director in writing when the construction work exceeds 30 days or will involve more than 300 person days of construction work and if the construction work:-
- (a) includes excavation work deeper than 1m; or

- (b) includes working at a height greater than 3 metres above ground or a landing.
- 3.2 The notification to the Provincial Director shall be on a form similar to Annexure A of the Construction Regulations, 2003, also shown in Annexure 1 of this Specification. The Contractor shall ensure that a copy of the completed notification form is kept on site for inspection by an inspector, Technical Officer or employee.
- 3.3 The Contractor shall, in accordance with the Act and applicable Regulations, make all the necessary appointments of competent persons in writing on a form similar to Annexure 2 of this Specification and deliver copies thereof to the Technical Officer. Copies should also be retained on the health and safety file.
- 3.4 Subcontractors shall also make the above written appointments and the Contractor shall deliver copies thereof to the Technical Officer.
- 3.5 In the case of a self-employed Contractor or any subcontractor who has the appropriate competencies and supervises the work himself, the appointment of a construction supervisor in terms of regulation 6.1 of the Construction Regulations, 2003 will not be necessary. The Contractor shall in such a case execute and sign a declaration, as in Annexure 3, by which he personally undertakes the duties and obligations of the "Chief Executive Officer" in terms of section 16(1) of the Act.
- 3.6 The Contractor shall, before commencing any work, obtain from the Technical Officer an access certificate as in Annexure 4 executed and signed by him, permitting and limiting access to the designated site or place of work by the Contractor and any subcontractors under his control.
- 3.7 Procedural compliance with Act and Regulations, as above, shall also apply to any subcontractor as employers in their own right. The Contractor shall furnish the Technical Officer with full particulars of such subcontractors and shall ensure that they comply with the Act and Regulations and Transnet's safety requirements and procedures.

#### 4. **Special Permits**

Where special permits are required before work may be carried out such as for hotwork, isolation permits, work permits and occupations, the Contractor shall apply to the Technical Officer or the relevant authority for such permits to be issued. The Contractor shall strictly comply with the conditions and requirements pertaining to the issue of such permits.

#### 5. **Health and Safety Programme**

- 5.1 The Tenderer shall, with his tender, submit a Health and Safety Programme setting out the practical arrangements and procedures to be implemented by him to ensure compliance by him with the Act and Regulations and particularly in respect of: -
- (i) The provision, as far as is reasonably practical, of a working environment that is safe and without risk to the health of his employees and subcontractors in terms of section 8 of the Act;

- (ii) the execution of the contract work in such a manner as to ensure in terms of section 9 of the Act that persons other than those in the Contractor's employment, who may be directly affected by the contract work are not thereby exposed to hazards to their health and safety;
  - (iii) ensuring, as far as is reasonably practical, in terms of section 37 of the Act that no employee or subcontractor of the Contractor does or omits to do any act which would be an offence for the Contractor to do or omit to do.
- 5.2 The Contractor's Health and Safety Programme shall be based on a risk assessment in respect of the hazards to health and safety of his employees and other persons under his control that are associated with or directly affected by the Contractor's activities in performing the contract work and shall establish precautionary measures as are reasonable and practical in protecting the safety and health of such employees and persons.
- 5.3 The Contractor shall cause a risk assessment contemplated in clause 5.2 above to be performed by a competent person, appointed in writing, before commencement of any Construction Work and reviewed during construction. The Risk Assessments shall form part of the Health and Safety programme to be applied on the site and shall include at least the following:
- (a) The identification of the risks and hazards that persons may be exposed to;
  - (b) the analysis and evaluation of the hazards identified;
  - (c) a documented Health and Safety Plan, including safe work procedures to mitigate, reduce or control the risks identified;
  - (d) a monitoring and review plan.
- 5.4 The Health and Safety Plan shall include full particulars in respect of: -
- (a) The safety management structure to be instituted on site or place of work and the names of the Contractor's health and safety representatives and members of safety committees where applicable;
  - (b) the safe working methods and procedures to be implemented to ensure the work is performed in compliance with the Act and Regulations;
  - (c) the safety equipment, devices and clothing to be made available by the Contractor to his employees;
  - (d) the site access control measures pertaining to health and safety to be implemented;
  - (e) the arrangements in respect of communication of health and safety related matters and incidents between the Contractor, his employees, subcontractors and the Technical Officer with particular reference to the reporting of incidents in compliance with Section 24 and General Administrative Regulation 8 of the Act and with the pertinent clause of the General Conditions of Contract forming part of the Contract and

- (f) the introduction of control measures for ensuring that the Safety Plan is maintained and monitored for the duration of the Contract.
- 5.4 The Health and Safety programme shall be subject to the Technical Officer's approval and he may, in consultation with the Contractor, order that additional and/or supplementary practical arrangements and procedures be implemented and maintained by the Contractor or that different working methods or safety equipment be used or safety clothes be issued which, in the Technical Officer's opinion, are necessary to ensure full compliance by the Contractor with his obligations as an employer in terms of the Act and Regulations. The Technical Officer or his deputy shall be allowed to attend meetings of the Contractor's safety committee as an observer.
- 5.5 The Contractor shall take reasonable steps to ensure that each subcontractor's Health and Safety Plan is implemented and maintained on the construction site: Provided that the steps taken, shall include periodic audits at intervals mutually agreed to between the them, but at least once every month.
- 5.6 The Contractor shall stop any subcontractor from executing any construction work, which is not in accordance with the Contractor's, and/or subcontractor's Health and Safety Plan for the site or which poses a threat to the health and safety of persons.
- 5.7 The Contractor shall ensure that a copy of the Health and Safety Plan is available on site for inspection by an inspector, Technical Officer, agent, subcontractor, employee, registered employee organisation, health and safety representative or any member of the health and safety committee.
- 5.8 The Contractor shall consult with the health and safety committee or, if no health and safety committee exists, with a representative group of employees, on the development, monitoring and review of the Risk Assessment.
- 5.9 The Contractor shall ensure that all employees under his control are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the Risk Assessment.
- 5.10 The Contractor shall ensure that all subcontractors are informed regarding any hazard as stipulated in the Risk Assessment before any work commences, and thereafter at such times as may be determined in the Risk Assessment.
- 5.11 The Contractor shall ensure that all visitors to a construction site undergoes health and safety induction pertaining to the hazards prevalent on the site and shall be provided with the necessary personal protective equipment.
- 6. Fall Protection Plan**
- 6.1 In the event of the risk and hazard identification, as required in terms of clause 5.3 of this Specification, revealing risks relating to working from an elevated position the contractor shall cause the designation of a competent person, responsible for the preparation of a fall protection plan;



6.2 The Contractor shall implement, maintain and monitor the fall protection plan for the duration of Contract. The Contractor shall also take such steps to ensure the continued adherence to the fall protection plan.

6.3 The fall protection plan shall include:-

- (a) A Risk Assessment of all work carried out from an elevated position;
- (b) the procedures and methods to address all the identified risks per location;
- (c) the evaluation of the employees physical and psychological fitness necessary to work at elevated positions;
- (d) the training of employees working from elevated positions; and
- (e) the procedure addressing the inspection, testing and maintenance of all fall protection equipment.

**7. Hazards and Potential Hazardous Situations**

The Contractor and the Technical Officer shall immediately notify one another of any hazardous or potentially hazardous situations which may arise during performance of the Contract by the Contractor or any subcontractor and, in particular, of such hazards as may be caused by the design, execution and/or location and any other aspect pertaining to the contract work.

**8. Health and Safety File**

- 8.1 The Contractor shall ensure that a health and safety file is opened and kept on site and shall include all documentation required as per the Act and applicable regulations, and made available to an inspector, the Technical Officer, or subcontractor upon request.
- 8.2 The Contractor shall ensure that a copy of the both his Health and Safety Plan as well as any subcontractor's Health and Safety Plan is available on request to an employee, inspector, contractor or the Technical Officer.
- 8.3 The Contractor shall hand over a consolidated health and safety file to the Technical Officer upon completion of the Construction Work and shall in addition to documentation mentioned in the Act and applicable Regulations include a record of all drawings, designs, materials used and other similar information concerning the completed structure.



**ANNEXURE 1**

**OCCUPATIONAL HEALTH AND SAFETY ACT, 1993**

**Regulation 3(1) of the Construction Regulations**

**NOTIFICATION OF CONSTRUCTION WORK**

- 
- 
- 1(a) Name and postal address of principal contractor:  
\_\_\_\_\_
  - (b) Name and tel. no of principal contractor's contact person:  
\_\_\_\_\_
  - 2. Principal contractor's compensation registration number \_\_\_\_\_
  - 3.(a) Name and postal address of client:  
\_\_\_\_\_
  - (b) Name and tel no of client's contact person or agent:  
\_\_\_\_\_
  - 4.(a) Name and postal address of designer(s) for the project:  
\_\_\_\_\_
  - (b) Name and tel. no of designer(s) contact person:  
\_\_\_\_\_
  - 5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 6(1).  
\_\_\_\_\_
  - 6. Names of principal contractor's construction sub-ordinate supervisors on site appointed in terms of regulation 6(2).  
\_\_\_\_\_
  - 7. Exact physical address of the construction site or site office:  
\_\_\_\_\_  
\_\_\_\_\_
  - 8. Nature of the construction work:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  - 9. Expected commencement date: \_\_\_\_\_
  - 10. Expected completion date: \_\_\_\_\_

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11. Estimated maximum number of persons on the construction site: \_\_\_\_\_

12. Planned number of contractors on the construction site accountable to the principle contractor:

\_\_\_\_\_

13. Name(s) of contractors already chosen.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
**Principal Contractor**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Client**

\_\_\_\_\_  
**Date**

\* THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR PRIOR TO COMMENCEMENT OF WORK ON SITE.

\* ALL PRINCIPAL CONTRACTORS THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER PRINCIPAL CONTRACTOR ON THE SAME SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

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**ANNEXURE 2**

**(COMPANY LETTER HEAD)**

**OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 OF 1993) :**

**SECTION/REGULATION:** \_\_\_\_\_

**REQUIRED COMPETENCY:** \_\_\_\_\_

In terms of \_\_\_\_\_ I, \_\_\_\_\_

representing the Employer) do hereby appoint \_\_\_\_\_

As the Competent Person on the premises at \_\_\_\_\_

(physical address) to assist in compliance with the Act and the applicable Regulations.

Your designated area/s is/are as follows :-

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Date :* \_\_\_\_\_

*Signature :-* \_\_\_\_\_

*Designation :-* \_\_\_\_\_

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**ACCEPTANCE OF DESIGNATION**

*I, \_\_\_\_\_ do hereby accept this Designation and acknowledge that I understand the requirements of this appointment.*

*Date :* \_\_\_\_\_

*Signature :-* \_\_\_\_\_

*Designation :-* \_\_\_\_\_

**ANNEXURE 3****(COMPANY LETTER HEAD)****OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 OF 1993) :****DECLARATION**

In terms of the above Act I, \_\_\_\_\_ am personally assuming the duties and obligations as Chief Executive Officer, defined in Section 1 of the Act and in terms of Section 16(1), I will, as far as is reasonably practicable, ensure that the duties and obligations of the Employer as contemplated in the above Act are properly discharged.

*Signature :-* \_\_\_\_\_

*Date :* \_\_\_\_\_

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**ANNEXURE 4****(LETTER HEAD OF BUSINESS DIVISION OR UNIT OF TRANSNET LIMITED)****SITE ACCESS CERTIFICATE**

Access to : \_\_\_\_\_ (Area)  
 Name of Contractor/Builder :- \_\_\_\_\_  
 Contract/Order No.: \_\_\_\_\_

The contract works site/area described above are made available to you for the carrying out of associated works

In terms of your contract/order with  
 (company) \_\_\_\_\_

Kindly note that you are at all times responsible for the control and safety of the Works Site, and for persons under your control having access to the site.

As from the date hereof you will be responsible for compliance with the requirements of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) as amended, and all conditions of the Contract pertaining to the site of the works as defined and demarcated in the contract documents including the plans of the site or work areas forming part thereof.

Signed : \_\_\_\_\_ Date : \_\_\_\_\_  
 TECHNICAL OFFICER

**ACKNOWLEDGEMENT OF RECEIPT**

Name of Contractor/Builder :- \_\_\_\_\_ I,  
 \_\_\_\_\_ do hereby acknowledge and accept the duties  
 and obligations in respect of the Safety of the site/area of Work in terms of the Occupational Health and  
 Safety Act; Act 85 of 1993.

Name : \_\_\_\_\_ Designation : \_\_\_\_\_

Signature : \_\_\_\_\_ Date : \_\_\_\_\_

E7/1 (July 1998)

SPECIFICATION FOR WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND  
NEAR HIGH VOLTAGE EQUIPMENT

(This Specification shall be used in Transnet Contracts)

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## **DEFINITIONS**

The following definitions shall apply :

**Authorised Person.** A person whether an employee of Transnet or not, who has been specially authorised to undertake specific duties in terms of Transnet's publication SAFETY INSTRUCTIONS: HIGH-VOLTAGE ELECTRICAL EQUIPMENT, and who holds a certificate or letter of authority to that effect.

**Barrier.** Any device designed to restrict access to "live" high-voltage electrical equipment.

**Bond.** A short conductor installed to provide electrical continuity.

**Contractor.** Any person or organisation appointed by Transnet to carry out work on its behalf.

**Dead.** Isolated and earthed.

**Electrical Officer (Contracts).** The person appointed in writing by the responsible Electrical Engineer in Transnet as the person who shall be consulted by the Contractor in all electrical matters to ensure that adequate safety precautions are taken by the Contractor.

**Executive Officer.** The person appointed by Transnet from time to time as the Executive Officer to act according to the rights and powers held by and obligations placed upon him in terms of the Contract.

**High-Voltage.** A voltage normally exceeding 1 000 volts.

**Live.** A conductor is said to be "live" when it is at a potential different from that of the earth or any other conductor of the system of which it forms a part.

**Near.** To be in such a position that a person's body or the tools he is using or any equipment he is handling may come within 3 metres of live exposed high voltage electrical equipment.

**Occupation.** An authorisation granted by Transnet for work to be carried out under specified conditions on, over under or adjacent to railway lines.

**Occupation Between Trains.** An occupation during an interval between successive trains.

**Project Manager.** The person or juristic person appointed by Transnet from time to time as the Project Manager, to administer the Contract according to the powers and rights held by and obligations placed upon him in terms of the Contract.

**Responsible Representative.** The responsible person in charge, appointed by a contractor, who has undergone specific training (and holds a certificate) to supervise staff under his control to work on, over, under or adjacent to railway lines and in the vicinity of high-voltage electrical equipment.

**Technical Officer.** The person or juristic person appointed by Transnet from time to time as the Technical Officer, to administer the Contractor's performance and execution of the Works according to the powers and rights held by and obligations placed upon the Technical Officer in terms of the Contract.

**Total Occupation.** An occupation for a period when trains are not to traverse the section of line covered by the occupation.

**Work on.** Work undertaken on or so close to the equipment that the specified working clearances to the live equipment cannot be maintained.

**Work Permit.** A combined written application and authority to proceed with work on or near dead electrical equipment.



## **PART A - GENERAL SPECIFICATION**

### **2. AUTHORITY OF OFFICERS OF TRANSNET**

2.1 The Contractor shall co-operate with the officers of Transnet and shall comply with all instructions issued and restrictions imposed with respect to the Works which bear on the existence and operation of Transnet's railway lines and high-voltage equipment.

2.2 Without limiting the generality of the provisions of 2.1, any duly authorised representative of Transnet, having identified himself, may stop the work if, in his opinion, the safe passage of trains or the safety of Transnet assets or any person is affected. **CONSIDERATIONS OF SAFETY SHALL TAKE PRECEDENCE OVER ALL OTHER CONSIDERATIONS.**

### **3. CONTRACTOR'S REPRESENTATIVES**

3.1 The Contractor shall nominate Responsible Representatives of whom at least one shall be available at any hour for call-out in cases of emergency. The Contractor shall provide the Technical Officer with the names, addresses and telephone numbers of the representatives.

3.2 The Contractor guarantees that he has satisfied himself that the Responsible Representative is fully conversant with this specification and that he shall comply with all his obligations in respect thereof.

### **4. OCCUPATIONS AND WORK PERMITS**

4.1 Work to be done during total occupation or during an occupation between trains or under a work permit shall be done in a manner decided by the Technical Officer and at times to suit Transnet requirements.

4.2 The Contractor shall organise the Works in a manner, which will minimise the number and duration of occupations and work permits required.

4.3 Transnet will not be liable for any financial or other loss suffered by the Contractor arising from his failure to complete any work scheduled during the period of an occupation or work permit.

4.4 The Contractor shall submit to the Technical Officer, in writing, requests for occupations or work permits together with details of the work to be undertaken, at least 14 days before they are required. Transnet does not undertake to grant an occupation or work permit for any particular date, time or duration.

4.5 Transnet reserves the right to cancel any occupation or work permit at any time before or during the period of occupation or work permit. If, due to cancellation or change in date or time, the Contractor is not permitted to start work under conditions of total occupation or work permit at the time arranged, all costs caused by the cancellation shall be born by the Contractor except as provided for in clauses 4.6 to 4.8.

- 4.6 When the Contractor is notified less than 2 hours before the scheduled starting time that the occupation or work permit is cancelled, he may claim reimbursement of his direct financial losses caused by the loss of working time up to the time his labour and plant are employed on other work, but not exceeding the period of the cancelled occupation or work permit.
- 4.7 When the Contractor is notified less than 2 hours before the schedule starting time, or during an occupation or work permit, that the duration of the occupation or work permit is reduced, he may claim reimbursement of his direct financial losses caused by the loss of working time due to the reduced duration of the occupation or work permit.
- 4.8 Reimbursement the Contractor for any loss of working time in terms of 4.6 and 4.7, shall be subject to his claims being submitted within 14 days of the event with full details of labour and plant involved, and provided that the Technical Officer certifies that no other work on which the labour and plant could be employed was immediately available.
- 4.9 Before starting any work for which an occupation has been arranged, the Contractor shall obtain from the Technical Officer written confirmation of the date, time and duration of the occupation.
- 4.10 Before starting any work for which a work permit has been arranged, the Responsible Representative shall read and sign portion C of form No. T.1276 signifying that he is aware of the limits within which work may be undertaken. After the work for which the permit was granted has been completed, or when the work permit is due to be terminated, or if the permit is cancelled after the start, the same person who signed portion C shall sign portion D of the T.1276 form, thereby acknowledging that he is aware that the electrical equipment is to be made "live". The Contractor shall advise all his workmen accordingly.

## 5. SPEED RESTRICTIONS AND PROTECTION

- 5.1 When speed restrictions are imposed by Transnet because of the Contractor's activities, the Contractor shall organise and carry out his work so as to permit the removal of the restrictions as soon as possible.
- 5.2 When the Technical Officer considers protection to be necessary the Contractor shall, unless otherwise agreed, provide all protection including flagmen, other personnel and all equipment for the protection of Transnet's and the Contractor's personnel and assets, the public and including trains. Transnet will provide training free of charge of the Contractor's flagmen and other personnel performing protection duties. The Contractor shall consult with the Technical Officer, whenever he considers that protection will be necessary, taking into account the minimum permissible clearances set out in appendixes 1 to 4.
- 5.3 The Contractor shall appoint a Responsible Representative to receive and transmit any instruction, which may be given by Transnet personnel providing protection.

## 6. ROADS ON TRANSNET PROPERTY

The provision of clause 25 of the E.5, General Conditions of Contract, or clause 23 of the E.5 (MW), General Conditions of Contract for Maintenance Works, shall apply to the use of existing roads on Transnet's property.

7. **CLEARANCES**

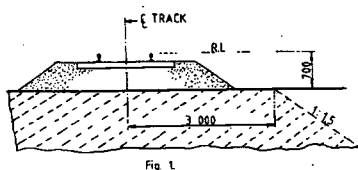
7.1 No temporary works shall encroach on the appropriate minimum clearances set out in Annexure 1 BE97-01 Sheets 1,2, 3 and 5 of 5.

8. **STACKING OF MATERIAL**

8.1 The Contractor shall not stack any material closer than 3 m from the centre line of any railway line without prior approval of the Technical Officer.

9. **EXCAVATION, SHORING, DEWATERING AND DRAINAGE**

9.1 Unless otherwise approved by the Technical Officer any excavation adjacent to a railway line shall not encroach on the hatched area shown in Figure 1.



9.2 The Contractor shall provide at his own cost any shoring, dewatering or drainage of any excavation unless otherwise stipulated elsewhere in the Contract.

9.3 Where required by the Technical Officer, drawings of shoring for any excavation under or adjacent to a railway line shall be submitted and permission to proceed obtained, before the excavation is commenced.

9.4 The Contractor shall prevent ingress of water to the excavation but where water does enter, he shall dispose of it as directed by the Technical Officer.

9.5 The Contractor shall not block, obstruct or damage any existing drains either above or below ground level unless he has made adequate prior arrangements to deal with drainage.

10. **FALSEWORK FOR STRUCTURES**

10.1 Drawings of falsework for the construction of any structure over, under or adjacent to any railway line shall be submitted to the Technical Officer and his permission to proceed obtained before the falsework is erected. Each drawing shall be given a title and a distinguishing number and shall be signed by a registered professional engineer certifying that he has checked the design of the falsework and that the drawings are correct and in accordance with the design.

10.2 After the falsework has been erected and before any load is applied, the Contractor shall submit to the Technical Officer a certificate signed by a registered professional engineer certifying that he has checked the falsework and that it has been erected in accordance with the drawings. Titles and numbers of the drawings shall be stated in the certificate. Notwithstanding permission given by the Technical Officer to proceed, the Contractor shall be entirely responsible for the safety and adequacy of the falsework.

11. **PILING**

11.1 The Technical Officer will specify the conditions under which piles may be installed on Transnet property.

12. **UNDERGROUND SERVICES**

12.1 No pegs or stakes shall be driven or any excavation made before the Contractor has established that there are no underground services, which may be damaged thereby.

12.2 Any damage shall be reported immediately to the Technical Officer, or to the official in charge at the nearest station, or to the traffic controller in the case of centralised traffic control.

13. **BLASTING**

13.1 The provisions of clause 23 of the E.5, General Conditions of Contract or clause 21 of the E.5 (MW), General Conditions of Contract for Maintenance Work, shall apply to all blasting operations undertaken in terms of the Contract.

13.2 The Contractor shall provide proof that he has complied with the provisions of clauses 10.17.1 to 10.17.4 of the Explosives Regulations (Act 26 of 1956 as amended).

13.3 Blasting within 500m of a railway line will only be permitted during intervals between trains. A person appointed by the Technical Officer, assisted by flagmen with the necessary protective equipment, will be in communication with the controlling railway station. Only this person will be authorised to give the Contractor permission to blast, and the Contractor shall obey his instructions implicitly regarding the time during which blasting may take place.

13.4 The flagmen described in 13.3, where provided by Transnet, are for the protection of trains and Transnet property only, and their presence does not relieve the Contractor in any manner of his responsibilities in terms of Explosives Act or Regulations, or any obligation in terms of this Contract.

13.5 The person described in 13.3 will record in a book provided and retained by Transnet the dates and times

- (i) when each request is made by him to the controlling station for permission to blast;
- (ii) when blasting may take place;
- (iii) when blasting actually takes place; and
- (iv) when he advises the controlling station that the line is safe for the passage of trains.

13.6 Before each blast the Contractor shall record in the same book, the details of the blast to be carried out. The person appointed by the Technical Officer and the person who will do the blasting shall both sign the book whenever an entry described in 13.5 is made.

13.7 The terms of clause 27 hereof shall be strictly adhered to.

14. **RAIL TROLLEYS**

14.1 The use of rail trolleys or trestle trolleys on a railway line for working on high voltage equipment will be permitted only if approved by the Technical Officer and under the conditions stipulated by him.

14.2 All costs in connection with such trolley working requested by the Contractor shall, unless otherwise agreed, be borne by the Contractor, excluding the costs of any train protection services normally provided free of charge by Transnet.

15. **SIGNAL TRACK CIRCUITS**

15.1 Where signal track circuits are installed, the Contractor shall ensure that no material capable of conducting an electrical current makes contact between rails on a railway line/lines.

15.2 No signal connections on track-circuited tracks shall be severed without the Technical Officer's knowledge and consent.

16. **PENALTY FOR DELAYS TO TRAINS**

16.1 If any trains are delayed by the Contractor and the Technical Officer is satisfied that the delay was avoidable, a penalty will be imposed on the Contractor of R5 000 per hour or part thereof for the period of delay, irrespective of the number of trains delayed.

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**PART B - ADDITIONAL SPECIFICATION FOR WORK NEAR HIGH-VOLTAGE ELECTRICAL EQUIPMENT**

17. **GENERAL**

- 17.1 This specification is based on the contents of Transnet's publication SAFETY INSTRUCTIONS, HIGH-VOLTAGE ELECTRICAL EQUIPMENT, as amended, a copy of which will be made available on loan to the Contractor for the duration of the contract. These instructions apply to all work near live high-voltage equipment maintained and/or operated by Transnet, and the onus rests on the Contractor to ensure that he obtains a copy.
- 17.2 The Contractor's attention is drawn in particular to the contents of Part I, Sections 1 and 2 of the Safety Instructions : High-Voltage Electrical Equipment.
- 17.3 The Safety Instructions : High-Voltage Electrical Equipment cover the minimum safety precautions which must be taken to ensure safe working on or near high-voltage electrical equipment, and must be observed at all times. Should additional safety measures be considered necessary because of peculiar local conditions, these may be ordered by and at the discretion of the Electrical Officer (Contracts).
- 17.4 This specification must be read in conjunction with and not in lieu of the Safety Instructions : High-Voltage Electrical Equipment.
- 17.5 The Contractor shall obtain the approval of the Electrical Officer (Contracts) before any work is done which causes or could cause any portion of a person's body or the tools he is using or any equipment he is handling to come within 3 metres of any live high-voltage equipment.
- 17.6 The Contractor shall regard all high-voltage equipment as live unless a work permit is in force.
- 17.7 Safety precautions taken or barriers erected shall comply with the requirements of the Electrical Officer (Contracts), and shall be approved by him before the work to be protected is undertaken by the Contractor. The Contractor shall, unless otherwise agreed, bear the cost of the provision of the barriers and other safety precautions required, including the attendance of Transnet staff where this is necessary.
- 17.8 No barrier shall be removed unless authorised by the Electrical Officer (Contracts).

18. **WORK ON BUILDINGS OR FIXED STRUCTURES**

Before any work is carried out or measurements are taken on any part of a building, fixed structure or earthworks of any kind above ground level situated within 3 metres of live high-voltage equipment, the Electrical Officer (Contracts) shall be consulted to ascertain the conditions under which the work may be carried out.

- 18.2 No barrier erected to comply with the requirements of the Electrical Officer (Contracts) shall be used as temporary staging or shuttering for any part of the Works.
- 18.3 The shuttering for bridge piers, abutments, retaining walls or parapets adjacent to or over any

track may be permitted to serve as a barrier, provided that it extends at least 2,5 metres above any working level in the case of piers, abutments and retaining walls and 1,5 metres above any working level in the case of parapets.

19. **WORK DONE ON OR OUTSIDE OF ROLLING STOCK, INCLUDING LOADING OR UNLOADING**

19.1 No person shall stand, climb or work whilst on any platform, surface or foothold higher than the normal unrestricted places of access, namely -

- (i) the floor level of trucks;
- (ii) external walkways on diesel, steam and electric locomotives, steam heat vans, etc. and
- (iii) walkways between coaches and locomotives.

When in these positions, no person may raise his hands or any equipment or material he is handling above his head.

19.2 In cases where the Contractor operates his own rail mounted equipment, he shall arrange for the walkways on this plant to be inspected by the Electrical Officer (Contracts) and approved, before commencement of work.

19.3 The handling of long lengths of material such as metal pipes, reinforcing bars, etc should be avoided, but if essential they shall be handled as nearly as possible in a horizontal position below head height.

19.4 The Responsible Representative shall warn all persons under his control of the danger of being near live high-voltage equipment, and shall ensure that the warning is fully understood.

19.5 Where the conditions in 19.1 to 19.3 cannot be observed the Electrical Officer (Contracts), shall be notified. He will arrange for suitable Safety measures to be taken. The Electrical Officer (Contracts), may in his discretion and in appropriate circumstances, arrange for a suitable employee of the Contractor to be specially trained by Transnet and at its costs, as an Authorised Person to work closer than 3 metres from live overhead conductors and under such conditions as may be imposed by the Senior responsible Electrical Engineer in Transnet.

20. **USE OF EQUIPMENT**

20.1 Measuring Tapes and Devices

20.1.1 Measuring tapes may be used near live high-voltage equipment provided that no part of any tape or a person's body comes within 3 metres of the live equipment.

20.1.2 In windy conditions the distance shall be increased to ensure that if the tape should fall it will not be blown nearer than 3 metres from the live high-voltage equipment.



- 20.1.3 Special measuring devices longer than 2 metres such as survey staves and rods may be used if these are of non-conducting material and approved by the responsible Electrical Engineer in Transnet, but these devices must not be used within 3 metres of live high-voltage equipment in rainy or wet conditions.
- 20.1.4 The assistance of the Electrical Officer (Contracts) shall be requested when measurements within the limits defined in 20.1.1 to 20.1.3 are required.
- 20.1.5 The restrictions described in 20.1.1 to 20.1.3 do not apply on a bridge deck between permanent parapets nor in other situations where a barrier effectively prevents contact with the live high-voltage equipment.

## 20.2 Portable Ladders

- 20.2.1 Any type of portable ladder longer than 2 metres may only be used near live high-voltage equipment under the direct supervision of the Responsible Representative. He shall ensure that the ladder is always used in such a manner that the distance from the base of the ladder to any live high-voltage equipment is greater than the fully extended length of the ladder plus 3 metres. Where these conditions cannot be observed, the Electrical Officer (Contracts) shall be advised, and he will arrange for suitable safety measures to be taken.

## 21. CARRYING AND HANDLING MATERIAL AND EQUIPMENT

- 21.1 Pipes, scaffolding, iron sheets, reinforcing bars and other material, which exceeds 2 metres in length, shall be carried completely below head height near live high-voltage equipment. For maximum safety two or more persons so as to maintain it as nearly as possible in a horizontal position should carry such material. The utmost care must be taken to ensure that no part of the material comes within 3 metres of any live high-voltage equipment.
- 21.2 Long lengths of wire or cable shall never be run out in conditions where a part of a wire or cable can come within 3 metres of any live high-voltage equipment unless the Electrical Officer (Contracts) has been advised and has approved appropriate safety precautions.
- 21.3 The presence of overhead power lines shall always be taken account of especially when communications lines or cables or aerial cables, stay wires, etc. are being erected above ground level.

## 22. PRECAUTIONS TO BE TAKEN WHEN ERECTING OR REMOVING POLES, ANTENNAE, TREES ETC.

- 22.1 A pole may be handled for the purpose of erection or removal near high-voltage equipment under the following conditions:
- (i) If the distance between the point at which the pole is to be erected or removed and the nearest live high-voltage equipment is more than the length of the pole plus 3 metres, the work shall be supervised by the Responsible Representative.



- (ii) If the distance described in (i) is less than the length of the pole plus 3 metres, the Electrical Officer (Contracts) shall be consulted to arrange for an Authorised Person to supervise the work and to ensure that the pole is earthed where possible. The pole shall be kept in contact with the point of erection, and adequate precautions shall be taken to prevent contact with live high-voltage equipment.

22.2 The cost of supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.

22.3 The provisions of clauses 22.1 and 22.2 shall also apply to the erection or removal of columns, antennae, trees, posts, etc.

23. **USE OF WATER**

23.1 No water shall be used in the form of a jet if it can make contact with any live high-voltage equipment or with any person working on such equipment.

24. **USE OF CONSTRUCTION PLANT**

24.1 "Construction plant" entails all types of plant including cranes, piling frames, boring machines, excavators, draglines, dewatering equipment and road vehicles with or without lifting equipment.

24.2 When work is being undertaken in such a position that it is possible for construction plant or its load to come within 3 metres of live high-voltage equipment, the Electrical Officer (Contracts) shall be consulted. He will arrange for an Authorised Person to supervise the work and to ensure that the plant is adequately earthed. The Electrical Officer (Contracts) will decide whether further safety measures are necessary.

24.3 The cost of any supervision by an Authorised Person and the provision of earthing shall, unless otherwise agreed, be borne by the Contractor.

24.4 When loads are handled by cranes, non-metallic rope hand lines shall be used, affixed to such loads so as to prevent their swinging and coming within 3 metres of live high-voltage equipment.

24.5 Clauses 24.1 to 24.4 shall apply mutatis mutandis to the use of maintenance machines of any nature.

25. **WORK PERFORMED UNDER DEAD CONDITIONS UNDER COVER OF A WORK PERMIT**

25.1 If the Responsible Representative finds that the work cannot be done in safety with the high-voltage electrical equipment live, he shall consult the Electrical Officer (Contracts) who will decide on the action to be taken.

25.2 If a work permit is issued the Responsible Representative shall -

- (i) before commencement of work ensure that the limits within which work may be carried out

have been explained to him by the Authorised Person who issued the permit to him, and that he fully understands these limits.

- (ii) sign portion C of the permit before commencement of work;
- (iii) explain to all persons under his control the limits within which work may be carried out, and ensure that they fully understand these limits;
- (iv) care for the safety of all persons under his control whilst work is in progress; and
- (v) withdraw all personnel under his control from the equipment on completion of the work before he signs portion D of the work permit.

26. **TRACTION RETURN CIRCUITS IN RAILS**

26.1 DANGEROUS CONDITIONS CAN BE CREATED BY REMOVING OR SEVERING ANY BOND.

26.2 Broken rails with an air gap between the ends, and joints, at which fishplates are removed under "broken bond" conditions, are potentially lethal. The rails on either side of an air gap between rail ends on electrified lines shall not be touched simultaneously until rendered safe by Transnet personnel.

26.3 The Contractor shall not break any permanent bonds between rails or between rails and any structure. He shall give the Technical Officer at least 7 days written notice when removal of such bonds is necessary.

26.4 No work on the track which involves interference with the traction return rail circuit either by cutting or removing the rails, or by removal of bonds shall be done unless the Electrical Officer (Contracts) is consulted. He will take such precautions as may be necessary to ensure continuity of the return circuit before permitting the work to be commenced.

27. **BLASTING**

27.1 The Contractor shall obtain the permission of the Electrical Officer (Contracts) before blasting, and shall give at least 14 days notice of his intention to blast.

27.2 No blasting shall be done in the vicinity of electrified lines unless a member of Transnet's electrical personnel is present.

27.3 The terms of clause 13 hereof shall be strictly adhered to.

28. **HIGH-VOLTAGE ELECTRICAL EQUIPMENT NOT MAINTAINED AND/OR OPERATED BY TRANSNET**

Where the work is undertaken on or near high-voltage electrical equipment which is not maintained and/or operated by Transnet, the Occupational Health and Safety Act No. 85 of 1993, and Regulations and Instructions, or the Mines Health and Safety Act (Act 29 of 1996), shall apply.

Such equipment includes: -

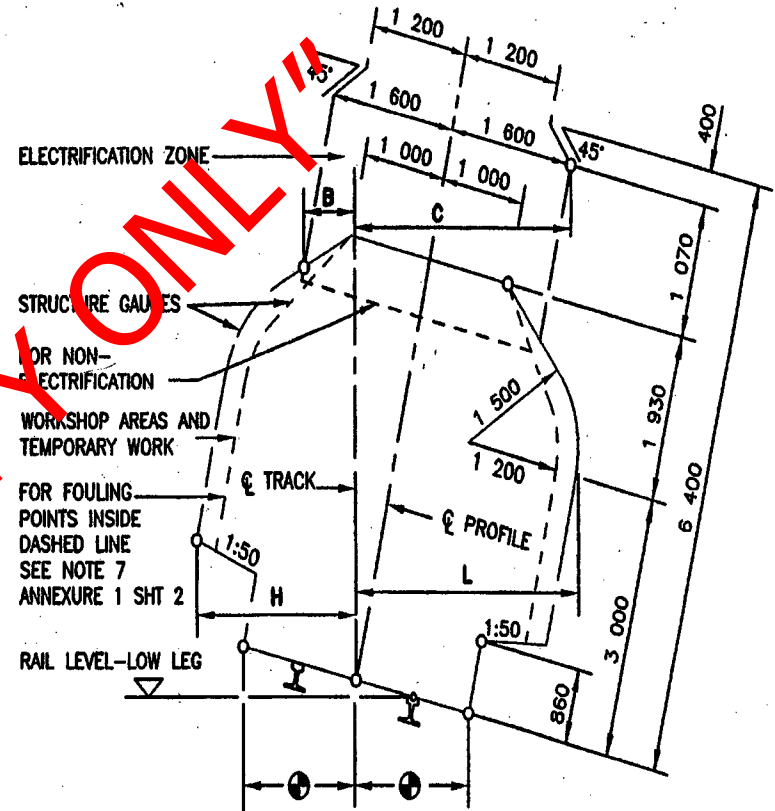
- (i) Eskom and municipal equipment;
- (ii) the Contractor's own power supplies; and
- (iii) electrical equipment being installed but not yet taken over from the Contractor.

**"PREVIEW COPY ONLY"**

RADIUS (m)	WITH CANT		NO CANT	WITH CANT	
	H (mm)	L (mm)	H & L	B (mm)	C (mm)
90	2 730	3 090	2 780	1 130	2 100
100	2 700	3 030	2 750	1 140	2 050
120	2 650	2 970	2 700	1 160	2 010
140	2 620	2 920	2 660	1 175	1 990
170	2 590	2 870	2 630	1 190	1 970
200	2 570	2 820	2 600	1 205	1 950
250	2 550	2 790	2 580	1 230	1 920
300	2 540	2 760	2 560	1 250	1 900
350	2 530	2 730	2 540	1 270	1 890
400	2 520	2 710	2 530	1 290	1 875
500	2 510	2 680	2 520	1 320	1 850
600	2 500	2 660	2 510	1 340	1 830
800	2 490	2 620	2 500	1 385	1 790
1 000	2 480	2 600	2 490	1 380	1 760
1 200	2 480	2 580	2 480	1 200	1 730
1 500	2 480	2 550	2 480	1 415	1 700
2 000	2 480	2 500	2 480	1 440	1 660
3 000	2 470	2 470	2 470	1 500	1 600
>5 000	2 460	2 460	2 460	1 600	1 600

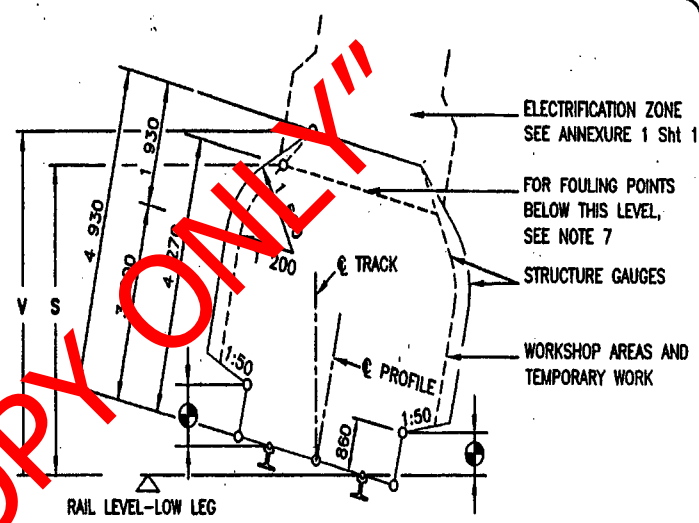
REMARKS:

- H AND B IS THE REQUIRED HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
- L AND C IS THE REQUIRED HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
- INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
- FOR WORKSHOP AREAS AND TEMPORARY WORK, CLEARANCES H AND L MAY BE REDUCED BY 300mm.
- SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.
- ALSO REFER TO REMARKS 4 TO 8 OF ANNEXURE 1 SHEET 2.



BE 97-01 Sht 2 of 5 DATE : JUNE 2000

LOCATION	RADIUS (mm)	NOT ELECTRIFIED S (mm)	ELECTRIFIED (PRESENT OR FUTURE)	
			3KV & 25KV V (mm)	50KV V (mm)
ALL AREAS OTHER THAN THOSE INDICATED BY * BELOW	100	4 470	5 050	5 400
	300	4 410	5 020	5 370
	600	4 370	5 000	5 350
	1 000	4 350	4 990	5 340
	1 500	4 310	4 960	5 310
	2 000	4 290	4 940	5 290
	>3 000	4 270	4 930	5 280
* OVER OR NEAR POINTS AND CROSSING IF REQUIRED BY ELECTRICAL IRRESPECTIVE OF RADIUS			5 650	6 000



ANNEXURE 1  
SHEET 2 of 5  
AMENDMENT

VERTICAL CLEARANCES :  
1 065mm TRACK GAUGE

REMARKS:

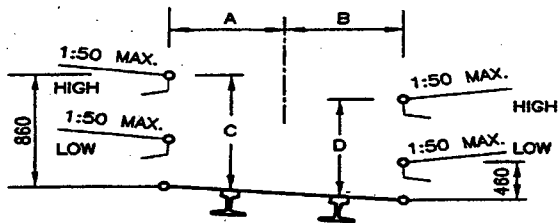
1. V IS THE REQUIRED VERTICAL CLEARANCE EXCEPT WHERE REDUCED CLEARANCE S APPLIES.
2. S IS THE MINIMUM VERTICAL CLEARANCE FOR STRUCTURES AND TEMPORARY WORK OVER NON-ELECTRIFIED LINES.
3. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
4. FOR APPLICATION AT CURVES
  - 4.1 APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 3m BEYOND THE ENDS OF THE CIRCULAR CURVE.
  - 4.2 REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE.
  - 4.3 FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 15m ALONG STRAIGHTS.
5. NEW STRUCTURES: SEE BRIDGE CODE.
6. TUNNELS: SEE DRAWING BE 82-35.
7. FOULING POINTS: SEE CLAUSE 8.1.
8. CLEARANCES ARE BASED ON 15m BOGIE CENTRES AND 21,2m VEHICLE BODY LENGTH.
9. Ⓢ SEE ANNEXURE 1 SHEET 3 FOR PLATFORM CLEARANCES.

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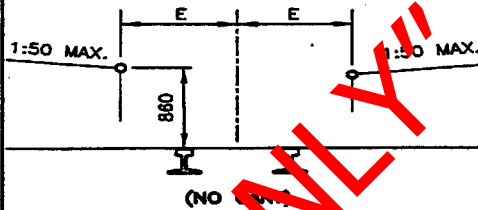
CLEARANCES : PLATFORMS

PLATFORMS : TRACK GAUGE 1 065mm

PASSENGERS



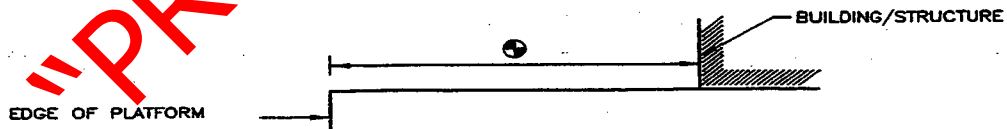
GOODS



RADIUS (m)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
90	1 690	1 820	890	810	1 840
100	1 650	1 790	890	810	1 810
120	1 610	1 740	890	810	1 760
140	1 580	1 700	890	810	1 720
170	1 550	1 660	890	810	1 670
200	1 530	1 630	890	820	1 670
250	1 520	1 600	890	820	1 640
300	1 520	1 580	890	830	1 620
350	1 520	1 560	880	830	1 600
400	1 520	1 550	880	840	1 590
500	1 520	1 540	880	850	1 580
600	1 520	1 530	870	850	1 570
800	1 520	1 520	860	860	1 560
1 200	1 520	1 520	860	860	1 550
2 000	1 520	1 520	860	860	1 540
3 000	1 520	1 520	860	860	1 530
STRAIGHT	1 520	1 520	860	860	1 520

- REMARKS
1. NO CANT TO BE APPLIED EXCEPT WHEN THE GOODS PLATFORM IS ON A RUNNING LINE.
  2. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
  3. 8m TO MAIN STATION-BUILDINGS AND 3m TO ALL OTHER STRUCTURES.
  4. TOLERANCES : SEE CLAUSE 8.0.10.

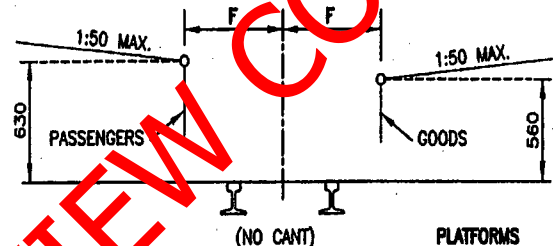
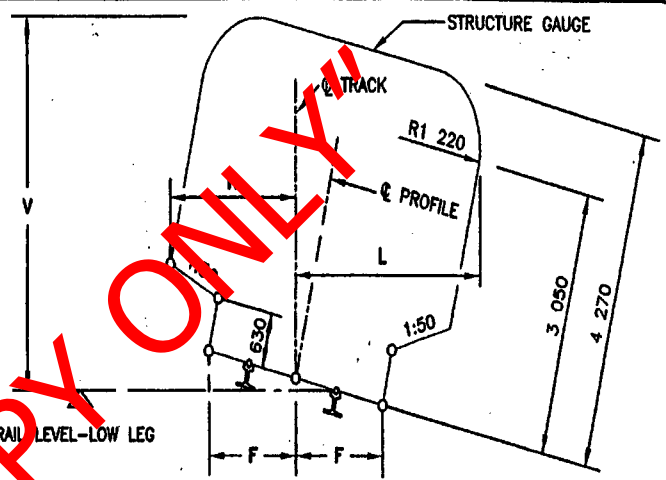
STRUCTURES ON PLATFORMS : 1 065mm AND 610mm TRACK GAUGE



61

BE 97-01 SH 5 of 5 DATE : JUNE 2000

RADIUS (m)	WITH CANT		NO CANT	V (mm)
	H (mm)	L (mm)	H & L (mm)	
50	2 370	2 490	2 400	4 320
70	2 310	2 420	2 330	4 310
100	2 260	2 370	2 280	4 310
140	2 220	2 340	2 250	4 310
200	2 200	2 300	2 220	4 300
300	2 190	2 270	2 200	4 300
500	2 180	2 230	2 190	4 290
700	2 170	2 200	2 180	4 270
1 000	2 170	2 170	2 170	4 270
>2 000	2 160	2 160	2 160	4 270



RADIUS (m)	F (mm)
50	1 550
60	1 510
80	1 480
100	1 430
120	1 410
140	1 390
170	1 380
200	1 370
250	1 360
300	1 350
600	1 330
1 000	1 320
>2 000	1 320
STRAIGHT	1 310

**REMARKS:**

- H IS THE MINIMUM HORIZONTAL CLEARANCE ON THE OUTSIDE OF THE CURVE BASED ON MINIMUM CANT.
- L IS THE MINIMUM HORIZONTAL CLEARANCE ON THE INSIDE OF THE CURVE BASED ON MAXIMUM CANT.
- V IS THE MINIMUM VERTICAL CLEARANCE.

FOR APPLICATION AT CURVES:

- 1 APPLY INCREASED CLEARANCES FOR CURVES TO POINTS 2m BEYOND THE ENDS OF THE CIRCULAR CURVE.
- 2 REDUCE CLEARANCES AT A UNIFORM RATE OVER THE REMAINDER OF THE TRANSITION CURVE.
- 3 FOR NON-TRANSITIONED CURVES REDUCE AT A UNIFORM RATE OVER A LENGTH OF 18m ALONG STRAIGHTS.
5. INTERMEDIATE VALUES MAY BE INTERPOLATED BY THE ENGINEER IN CHARGE.
6. ALSO REFER TO REMARKS 5, 6 AND 7 OF ANNEXURE 1 SHEET 2.
7. CLEARANCES ARE BASED ON 9 700mm BOGIE CENTRES AND 13 700mm VEHICLE BODY LENGTH.
8. SEE ANNEXURE 1 SHEET 3 FOR STRUCTURES ON PLATFORMS.

ANNEXURE 1  
SHEET 5 of 5  
AMENDMENT

CLEARANCES : 610mm TRACK GAUGE